

Hackathon

Experiential Assessment Report



SASTRA
R O B O T I C S

SGBI Inc

Role Specifications

**Test Engineer
Automation & AI Systems**

 16-23 February 2026  Kerala, India

Executive Summary

Evaluation Type - Experiential Work Simulation

A practical, two-step process: an AI-graded quiz followed by a collaborative team project that mirrors real engineering tasks and evaluates both technical and soft skills.

Candidates Details

Total Candidates **64**

Assessed Candidates **13**

Final Shortlists **8**

Avg. Code Intelligence
Score

59

Avg. Technical Competency
Score

57

Avg. Project Execution
Score

83

Avg. Professional Behavioral
Score

80

PRs Reviewed

48

Total Tickets Closed

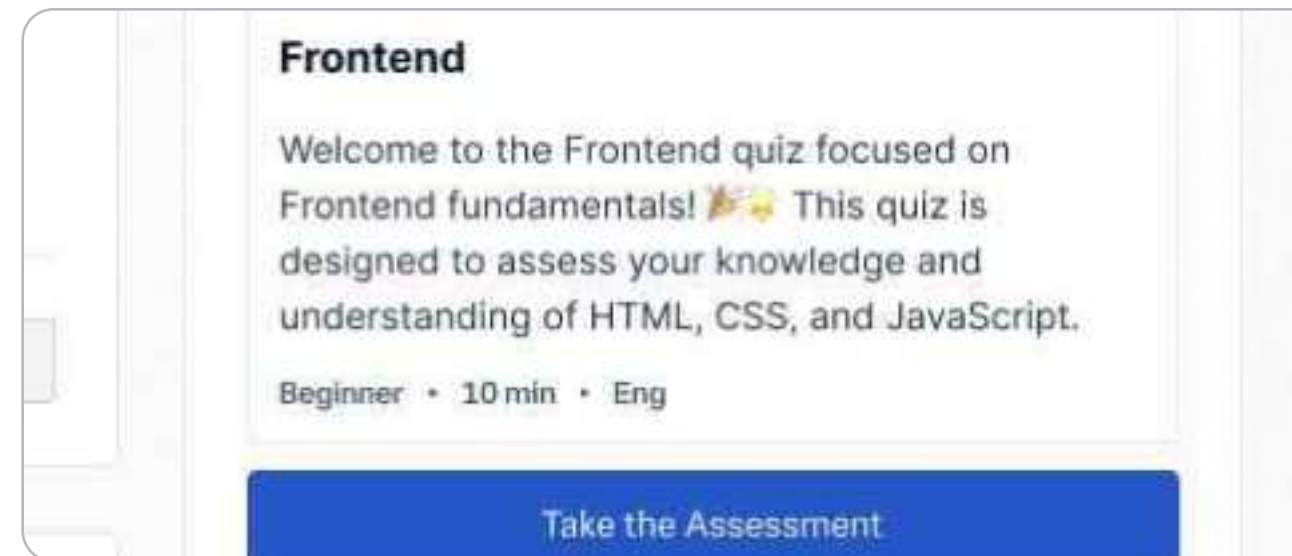
36

5-Step Tech Hiring Process



Candidate Applies

Our platform automatically imports applicants and begins pre-screening setup.



Takes the Assessment

Each candidate completes a real-world, project-based assessment designed for the specific role



Joins a Team Project

Candidates are grouped into small, simulated project teams to mirror real workplace collaboration.

5	Lewis Cruickshank Lewis.Cruickshank12@gmail.com	(694) 788-9213 x563
6	Jasmine Stracke Jasmine_Stracke41@hotmail.com	938-912-2943 x03404
7	Jeanette Emmerich Jeanette8@hotmail.com	(848) 352-6403 x94238
8	Terence Shields Terence30@yahoo.com	967.562.9654 x7564
9	Yvonne Wolf Yvonne.Wolf80@hotmail.com	808-900-6250 x803

Elimination

AI engine and evaluators filter out 80% of candidates based on objective performance data

No	Name	Phone
1	Ted Nikolaus Ted.Nikolaue82@gmail.com	265-810-0709 x8809
2	Melody Osinski-Grady Melody.Osinski-Grady59@yahoo.com	(497) 657-6662
3	Thomas Lemke Thomas86@yahoo.com	813-696-6027 x630
4	Dianna Wisozk Dianna.Wisozk99@gmail.com	417-220-8951 x164

Selection

Top 20% of candidates are shortlisted with detailed reports on technical, collaborative, behavioral and professional performance.

Assessment Overview

A two-stage experiential evaluation combining structured quizzes and team-based project simulations.



Preliminary Aptitude Quiz

Short timed quiz evaluating Testing concepts: Automation testing, Python, Web, Apl and System testing, Robot framework fundamentals.

Purpose

To establish a technical baseline and identify skill readiness.

Tools / Stack

Python, Robot Framework, Postman, Rest API's, SQL



Team Project Simulation

Candidates collaborated on a real-world application project in team-based GitHub repositories. Each member completed assigned tickets and submitted pull requests for AI & human review.









Purpose

To assess real-world coding ability, communication, problem-solving, and project contribution.

Tools / Stack

Python, Robot Framework, Selenium Library, Github

Shortlisted Candidate Summary

No	Name	Final Score	Performance	Code Intelligence Score	Technical Competency Score	Professional Behavior Skills	Tickets Completed	Reviews Attempted
1	 B*** G**** ****@gmail.com	82.35	Very Good	83	67.5	90	6	27
2	 A**** N**** ****@gmail.com	77.68	Good	84	46.94	80	6	18
3	 J**** A**** ****@gmail.com	70.49	Good	69	52.22	90	6	32
4	 V**** M**** ****@gmail.com	69.1	Above Average	79	57.77	70	6	24
5	 C**** B**** ****@gmail.com	69.05	Above Average	45	87.77	75	3	7
6	 J**** F**** ****@gmail.com	65.63	Above Average	43	81.44	75	3	12
7	 A**** A**** ****@gmail.com	61.25	Above Average	51	34	90	4	11
8	 S**** M**** ****@gmail.com	38.04	Average	19	25	70	2	35

Candidate Summary



G**** B****
****@gmail.com
+91 **** * * * *



Rank

1

Total Score

82.35

Tickets Completed

6

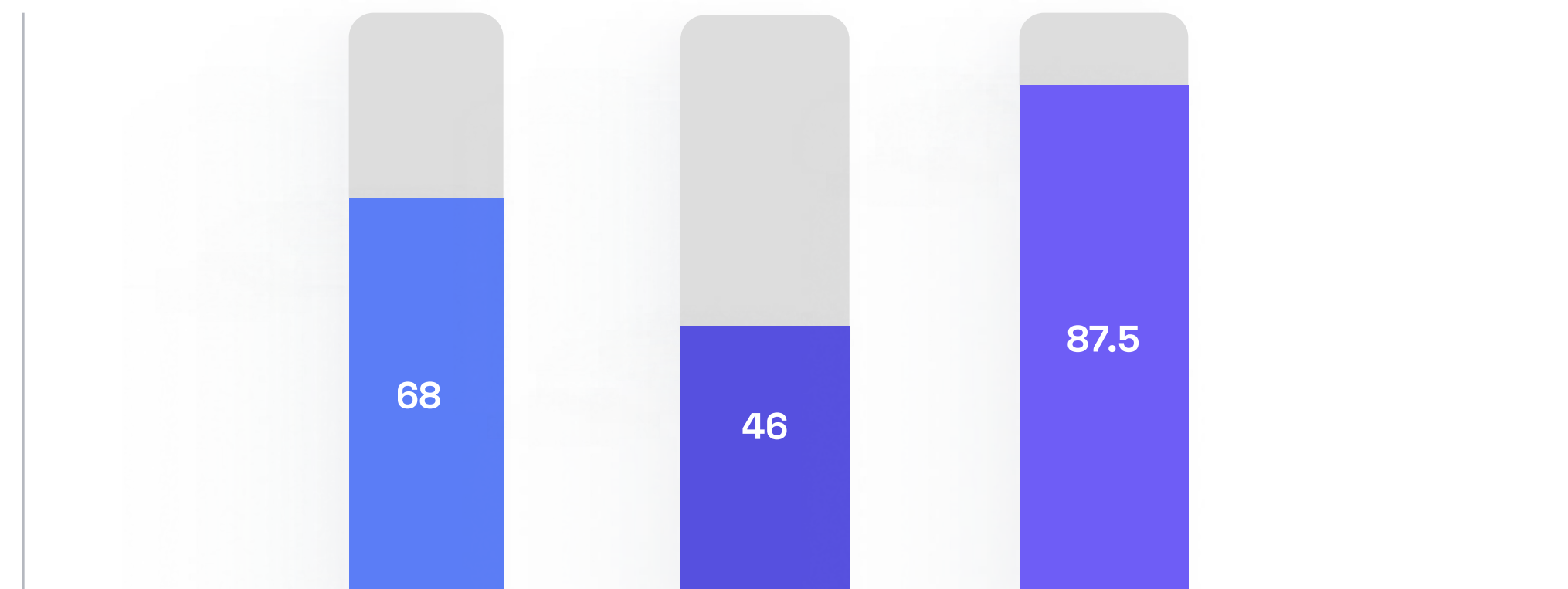
PRs Raised

6

Code Intelligence Score

83

100



Qualifications

Reporting Structure

Key Responsibilities

Technical Competency Score

67.5

Professional Behavior Skills

90

Technical Scoring Summary & AI Insights

Evaluation Dimension	Score	Weight	Weighted Contribution
Automated Code Intelligence Review	83	45%	37.35
Project Execution & Engagement	90	25%	22.5
Technical Proficiency	67.5	20%	13.5
Professional Competency & Collaboration	90	10%	9
Final Score			82.35

PRs Submitted
6

PRs Structure
86

Total Reviews
27

AI Review Attempts Score
53

Code Quality
93

Logic Accuracy
96

Commit Efficiency
63

Merge Efficiency
100

Candidate Summary



A**** N****

****@gmail.com

+91 **** * * * * *



Rank

2

Total Score

77.68

Tickets Completed

6

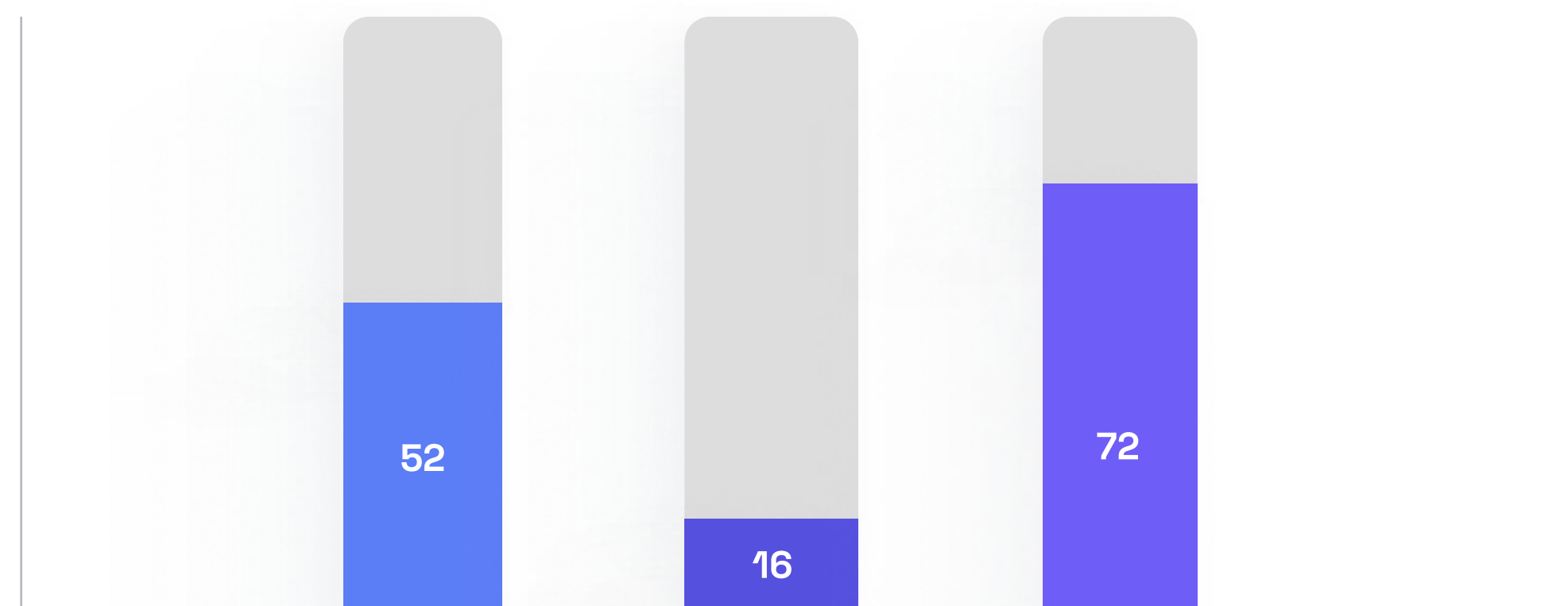
PRs Raised

6

Code Intelligence Score

84

100



Qualifications

Reporting Structure

Key Responsibilities


Technical Competency Score

46.94

Professional Behavior Skills

80

Technical Scoring Summary & AI Insights

Evaluation Dimension	Score	Weight	Weighted Contribution
Automated Code Intelligence Review	83.99	45%	37.8
Project Execution & Engagement	90	25%	22.5
Technical Proficiency	46.9	20%	9.38
Professional Competency & Collaboration	80	10%	8
 Final Score			77.68

PRs Submitted

6

PRs Structure

58

Total Reviews

18

AI Review Attempts Score

63

Code Quality

92

Logic Accuracy

93

Commit Efficiency

86

Merge Efficiency

96

Candidate Summary



J**** A****

****@gmail.com

+91 **** * * * * *



Rank

3

Total Score

70.49

Tickets Completed

6

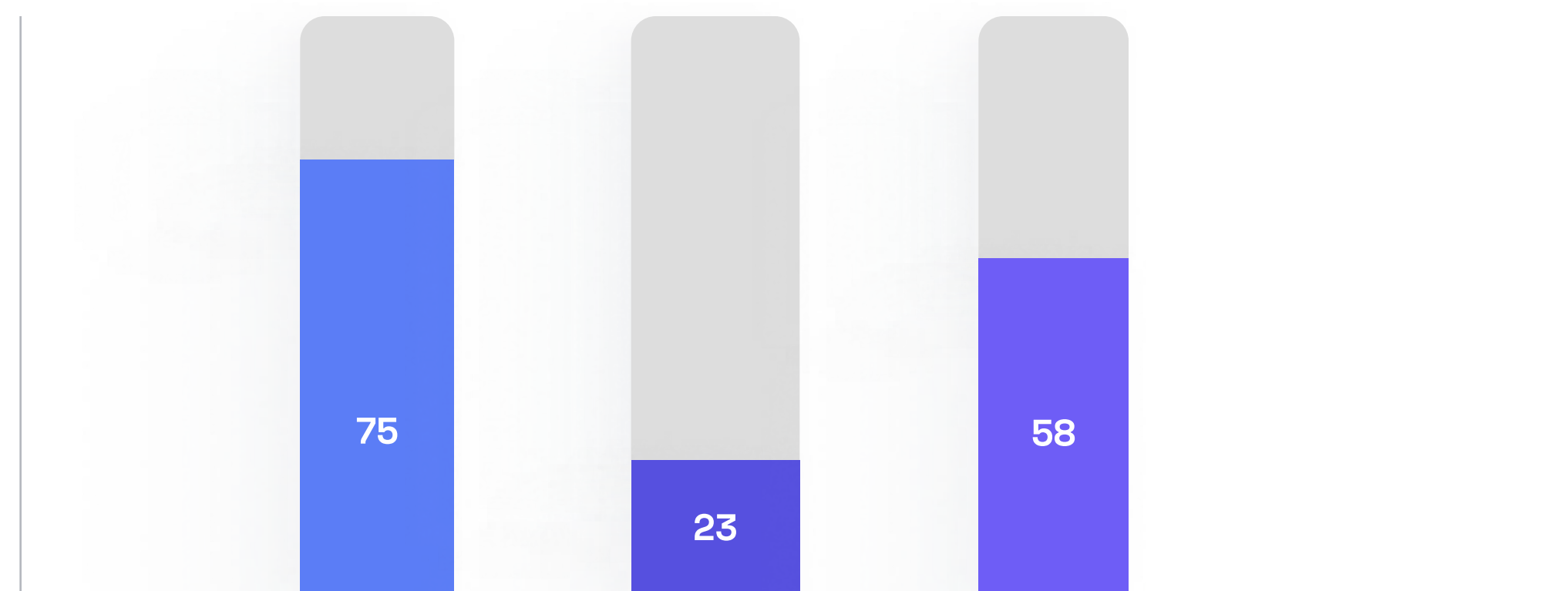
PRs Raised

6

Code Intelligence Score

69

100



Qualifications

Reporting Structure

Key Responsibilities


Technical Competency Score

52.2

Professional Behavior Skills

90

Technical Scoring Summary & AI Insights

Evaluation Dimension	Score	Weight	Weighted Contribution
Automated Code Intelligence Review	69	45%	31.05
Project Execution & Engagement	80	25%	20
Technical Proficiency	52.2	20%	10.44
Professional Competency & Collaboration	90	10%	9
 Final Score			70.49

PRs Submitted

6

PRs Structure

75

Total Reviews

32

AI Review Attempts Score

53

Code Quality

79

Logic Accuracy

70

Commit Efficiency

44

Merge Efficiency

93

Candidate Summary



V**** M****

****@gmail.com

+91 **** * * * * *



Rank

4

Total Score

69.1

Tickets Completed

6

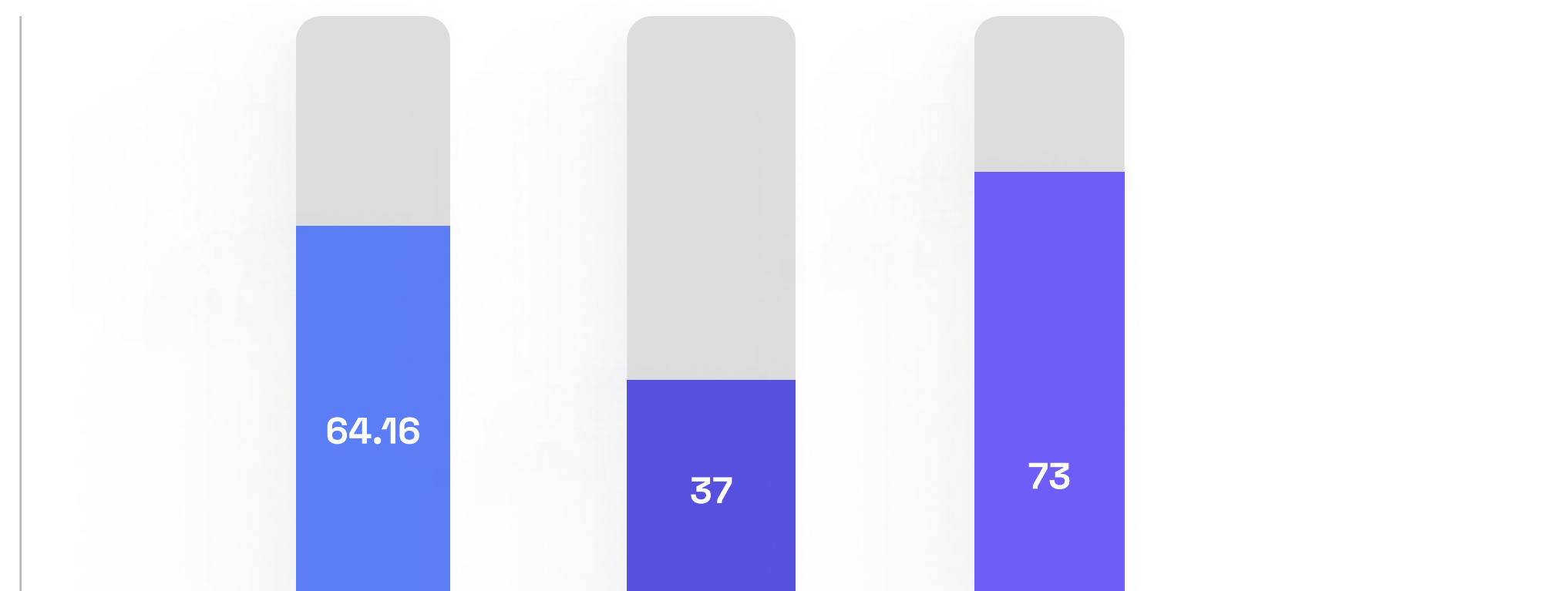
PRs Raised

6

Code Intelligence Score

78.99

100



Qualifications

Reporting Structure

Key Responsibilities

Technical Competency Score

57.75

Professional Behavior Skills

70

Technical Scoring Summary & AI Insights

Evaluation Dimension	Score	Weight	Weighted Contribution
Automated Code Intelligence Review	78.99	45%	35.55
Project Execution & Engagement	60	25%	15
Technical Proficiency	57.75	20%	11.55
Professional Competency & Collaboration	70	10%	7
Final Score			69.1

PRs Submitted
6

PRs Structure
18

Total Reviews
24

AI Review Attempts Score
53

Code Quality
90

Logic Accuracy
96

Commit Efficiency
73

Merge Efficiency
96

Candidate Summary



C**** B****

****@gmail.com

+91 **** * * * * *



Rank

5

Total Score

69

Tickets Completed

3

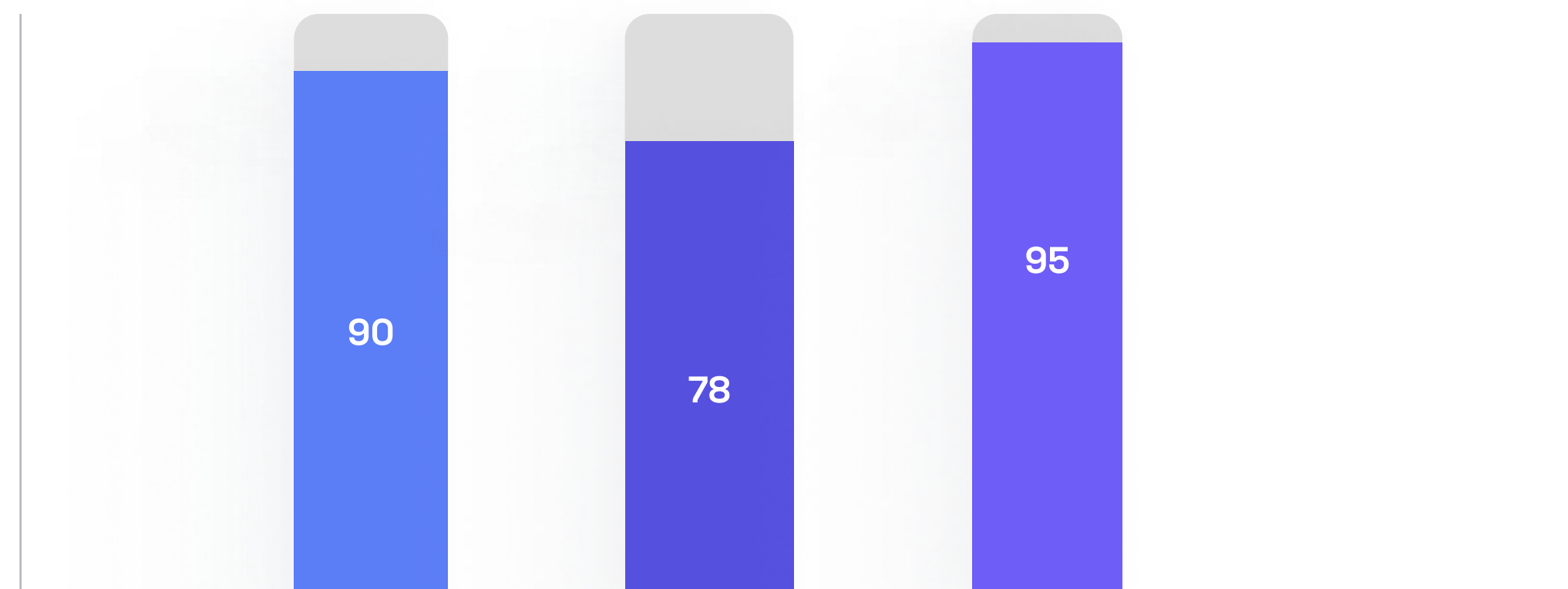
PRs Raised

3

Code Intelligence Score

45

100



Qualifications

Reporting Structure

Key Responsibilities

Technical Competency Score

87.75

Professional Behavior Skills

75

Technical Scoring Summary & AI Insights

Evaluation Dimension	Score	Weight	Weighted Contribution
Automated Code Intelligence Review	45	45%	20.5
Project Execution & Engagement	95	25%	23.75
Technical Proficiency	87.75	20%	17.55
Professional Competency & Collaboration	75	10%	7.5
Final Score			69.05

PRs Submitted
3

PRs Structure
45

Total Reviews
7

AI Review Attempts Score
36

Code Quality
47

Logic Accuracy
49

Commit Efficiency
40

Merge Efficiency
50

Candidate Summary



J**** F****

****@gmail.com

+91 **** * * * * *



Rank

6

Total Score

65.63

Tickets Completed

3

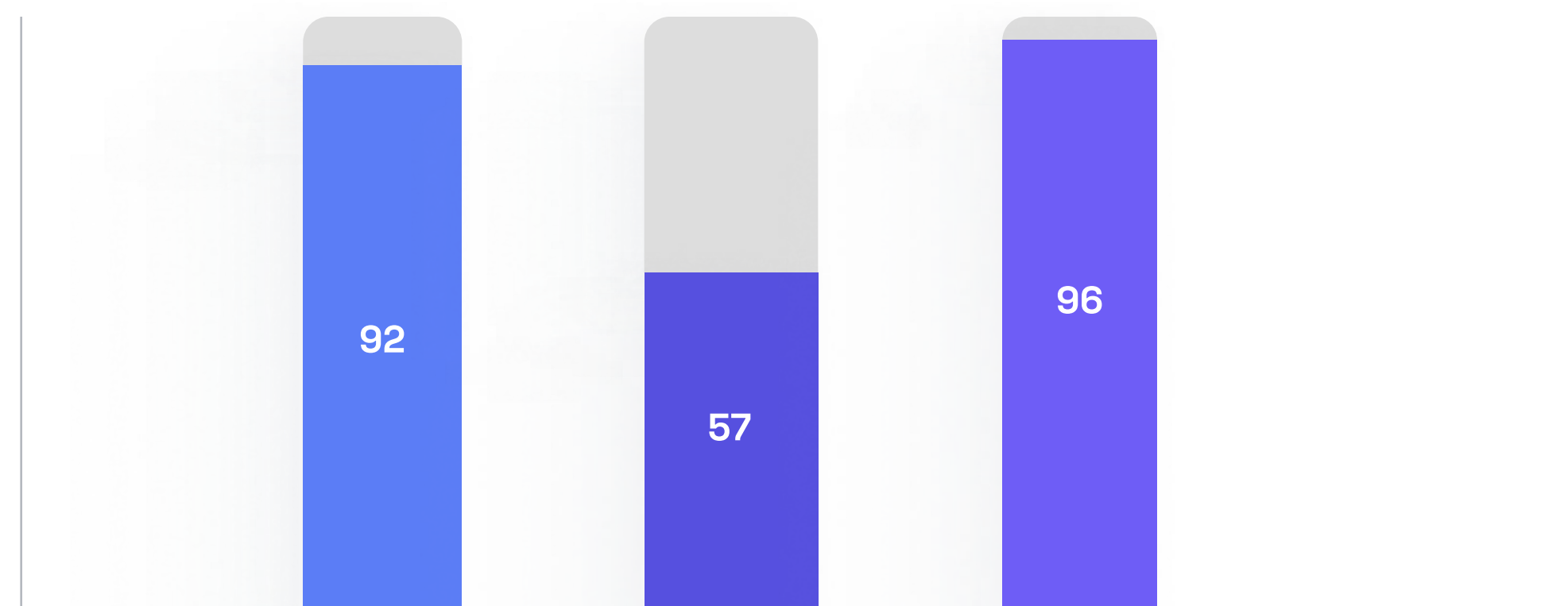
PRs Raised

3

Code Intelligence Score

43

100



Qualifications

Reporting Structure

Key Responsibilities


Technical Competency Score

81.4

Professional Behavior Skills

75

Technical Scoring Summary & AI Insights

Evaluation Dimension	Score	Weight	Weighted Contribution
Automated Code Intelligence Review	43	45%	19.35
Project Execution & Engagement	90	25%	22.5
Technical Proficiency	81.4	20%	16.28
Professional Competency & Collaboration	75	10%	7.5
 Final Score			65.63

PRs Submitted

3

PRs Structure

45

Total Reviews

12

AI Review Attempts Score

26

Code Quality

47

Logic Accuracy

48

Commit Efficiency

42

Merge Efficiency

49

Candidate Summary



A**** A****

****@gmail.com

+91 **** * * * * *



Rank

7

Total Score

61.25

Tickets Completed

4

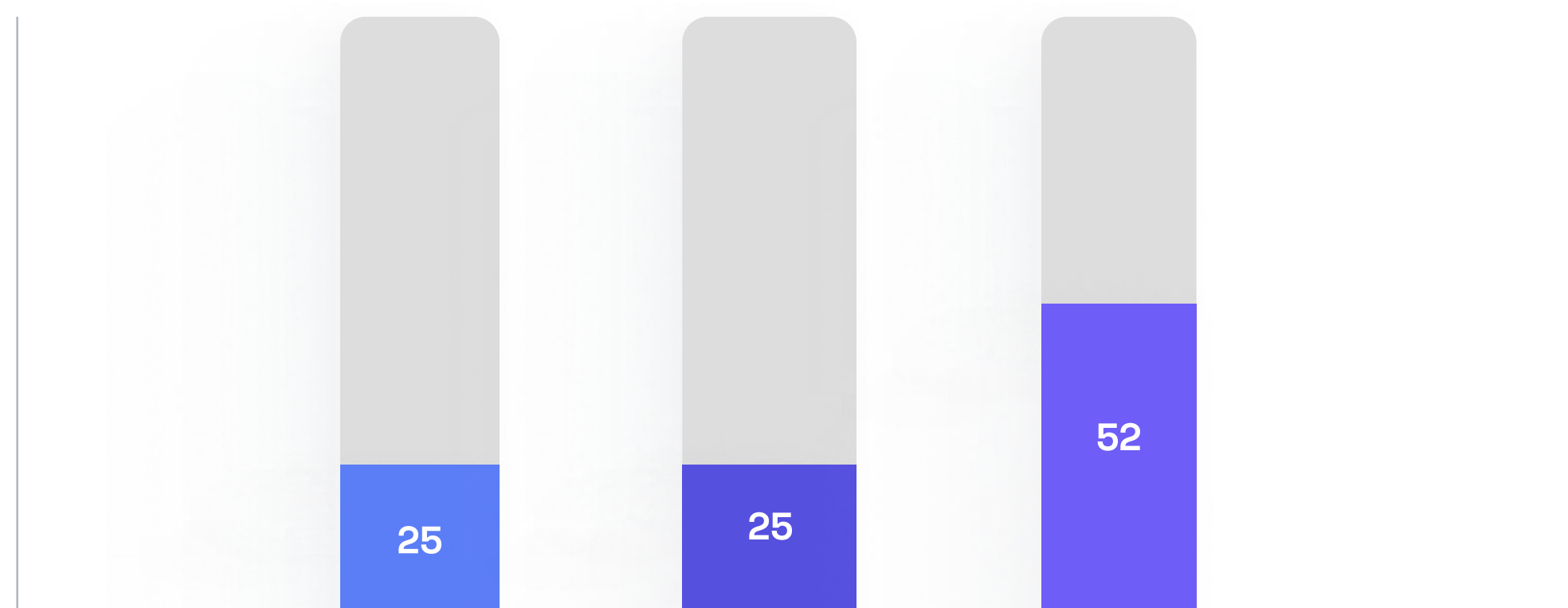
PRs Raised

4

Code Intelligence Score

51

100



Qualifications

Reporting Structure

Key Responsibilities

Technical Competency Score

34

Professional Behavior Skills

90

Technical Scoring Summary & AI Insights

Evaluation Dimension	Score	Weight	Weighted Contribution
Automated Code Intelligence Review	51	45%	22.95
Project Execution & Engagement	90	25%	22.5
Technical Proficiency	34	20%	6.8
Professional Competency & Collaboration	90	10%	9
Final Score			61.25

PRs Submitted
4

PRs Structure
30

Total Reviews
11

AI Review Attempts Score
45

Code Quality
61

Logic Accuracy
53

Commit Efficiency
60

Merge Efficiency
51

Candidate Summary



S**** M****

****@gmail.com

+91 **** * * * * *



Rank

8

Total Score

38.04

Tickets Completed

2

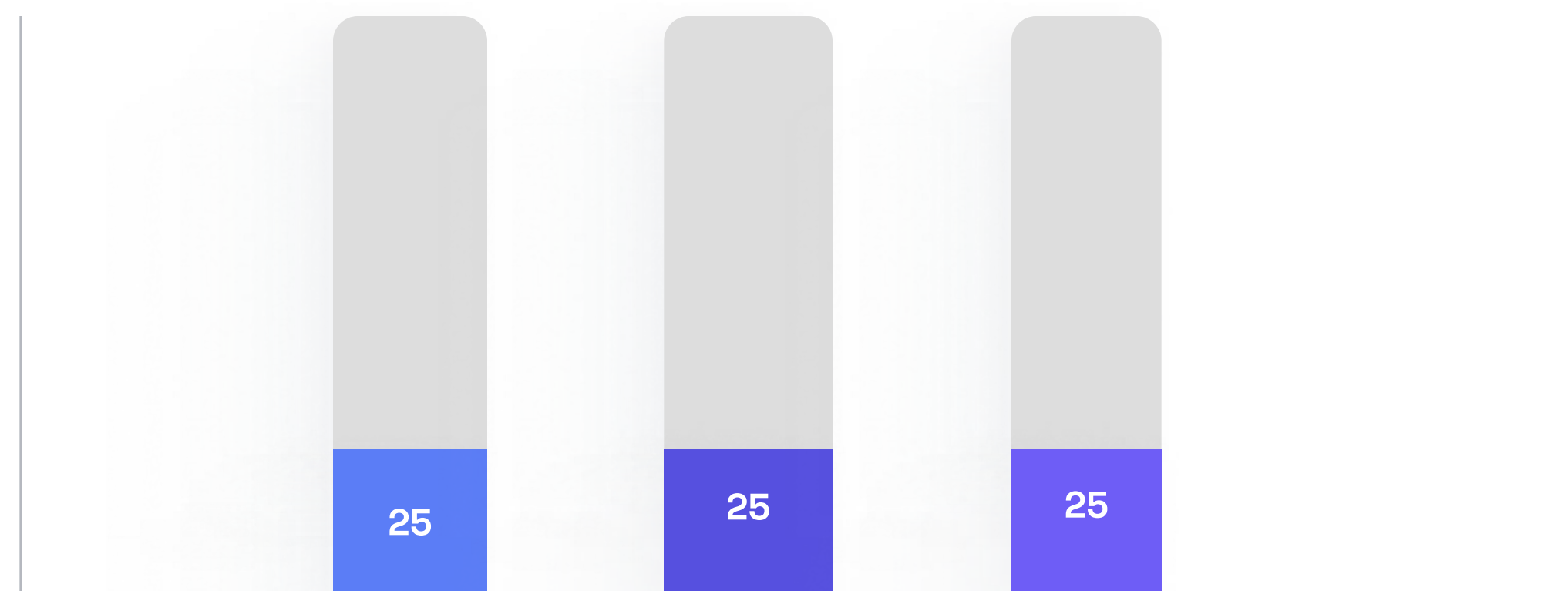
PRs Raised

3

Code Intelligence Score

19

100



Qualifications

Reporting Structure

Key Responsibilities

Technical Competency Score

25

Professional Behavior Skills

70

Technical Scoring Summary & AI Insights

Evaluation Dimension	Score	Weight	Weighted Contribution
Automated Code Intelligence Review	19	45%	8.55
Project Execution & Engagement	70	25%	17.5
Technical Proficiency	25	20%	5
Professional Competency & Collaboration	70	10%	7
Final Score			38.04

PRs Submitted
2

PRs Structure
18

Total Reviews
35

AI Review Attempts Score
6

Code Quality
27

Logic Accuracy
30

Commit Efficiency
4

Merge Efficiency
31

Terminology Guide & Scoring Index

Understanding the key dimensions and metrics used in Archi's Experiential Assessment.

Automated Code Intelligence Review

AI-driven review of pull requests analyzing logic, structure, naming conventions, and best practices.

What It Measures → Code quality, accuracy, optimization.

Project Execution & Engagement Index

Measurement of active participation within the project task completion, timeliness, and communication.

What It Measures → Productivity, consistency, and collaboration.

Technical Proficiency Assessment

Manual evaluation by expert reviewers of the final implementation and code architecture.

What It Measures → Technical depth, solution design, debugging skill.

Professional Competency & Collaboration Index

Combined behavioral metrics derived from teamwork, peer reviews, and communication effectiveness.

What It Measures → Soft skills, accountability, and teamwork.

90-100 Outstanding performer, hire-ready.

80-89 Technically strong, suitable for direct interview.

60-79 Good candidate for trainee or early-stage roles.