

# AISHA JALIL

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Karachi, Pakistan

## EDUCATION

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### National University of Computer and Emerging Sciences (FAST)

Aug 2022 – Jun 2026

Bachelor of Science in Computer Science

CGPA: 3.65

Relevant Coursework: Data Structures, Object-Oriented Programming, Design and Analysis of Algorithms, Parallel and Distributed Computing, Database Systems, Software Engineering, Artificial Intelligence, Deep Learning for Perception, Enterprise Systems Development

## ACADEMIC ACHIEVEMENTS

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Dean's Honor List — Spring 2023, Fall 2023, Spring 2024, Fall 2024, Fall 2025

Rector's List — Fall 2025

## EXPERIENCE

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### FAST University – Coder's Cup 25 (ACM Event)

Sep 2025 – Oct 2025

*Head, Debugging Competition Module*

- Led full-stack development of a debugging competition platform used in a live university event.
- Designed clean and maintainable REST APIs using FastAPI and built frontend using Next.js.
- Integrated Piston API for secure multi-language code execution and evaluation.
- Implemented automated scoring, hint penalties, and real-time progress tracking.

### FAST University – ProCom 2025

Nov 2024 – Feb 2025

*Deputy Head, Interstellar Intelligence Module*

- Developed a real-time simulation system using Python and Pygame.
- Implemented modular logic and interactive controls for dynamic environment variables.

## PROJECTS

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### Multi-Core CRM Platform — Java Spring Boot, React TypeScript

- Developed a full-stack SaaS-style CRM supporting multiple organizations and users.
- Designed RESTful APIs with JWT authentication and role-based access control (RBAC).
- Built customer, lead, and deal management workflows with analytics dashboards.
- Followed clean architecture principles and separation of concerns.
- Technologies: Java Spring Boot, React TypeScript, PostgreSQL, Git.

### Code-Fu Debugging Platform — FastAPI, Next.js, Piston API

- Built an online debugging competition platform with real-time code execution.
- Designed automated evaluation, scoring logic, and final-level unlocking system.
- Supported multiple programming languages using external execution APIs.
- Technologies: FastAPI, Next.js, Piston API, Git.

### SmartBazaar: Digital Agri-Marketplace — Firebase, Gemini AI, Genkit

- Built a localized digital marketplace connecting farmers directly with buyers.
- Integrated Google Gemini API for multilingual UI translation and AI-based farming assistance.
- Implemented AI-generated reports and real-time market price suggestions.

## SKILLS

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- Programming Languages: C, C++, Python, Java, JavaScript, SQL
- Frameworks: Spring Boot, FastAPI, React, Node.js, Express.js
- Web Technologies: HTML, CSS, REST APIs
- Databases: PostgreSQL, MySQL, MongoDB, Firebase, Supabase
- Tools: Git, GitHub, Docker, Postman, IntelliJ IDEA, VS Code
- Core Concepts: Data Structures and Algorithms, Object-Oriented Design, SOLID Principles, Clean Code, Software Engineering