

# AYESHA MUNIR

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## SUMMARY

Motivated Software Engineer from FAST with a strong interest in the MERN stack, JavaScript, and both web and mobile development. Equipped with solid problem-solving skills, hands-on industry experience, and a collaborative mindset. Committed to building scalable, user-friendly applications and continuously growing as a developer through rapid learning and adaptation.

## EDUCATION

**FAST National University**

*Bachelor of Science in Software Engineering*

**Expected Graduation: Jun, 2025**

## TECHNICAL SKILLS

**Languages:** JavaScript, Java, C++, Python, Dart, SQL

**Technologies/Frameworks:** Flutter, React, Node.js, Express, MongoDB, Bootstrap, Tailwind, Material UI, HTML, CSS

**Developer Tools:** Git, GitHub, GitLab, Firebase, MySQL, Oracle, XAMPP, VS Code, Eclipse, Linux, Docker **Development**

**Practices:** Agile, MVC, REST APIs, OOP, Design Patterns (Facade, Factory, Singleton)

## EXPERIENCE

**entraCloud | React, TypeScript, Tailwind, HTML, CSS, Git**

**Jun 2024 – Aug 2024**

*Full Stack developer Intern*

- Developed responsive UI components using React.js within a MERN stack environment.
- Enhanced overall user experience and performance across web platforms, resulting in a 50% improvement in user engagement and interface responsiveness.
- Integrated RESTful APIs, Google Auth, and improved user experience across web platforms.

## PROJECTS

**Aamozish (Final Year Project) | Flutter, Firebase, Google Cloud, GPT**

- A synchronized Arabic and Persian Language learning app with Google Vision and ChatGPT API for smart assistance and evaluation.
- Implemented RESTful APIs, Firebase Authentication, Google Cloud solutions, and OCR for seamless user experience and efficient data handling

**Blogging Platform | MERN Stack, Microservices Architecture**

- Built a scalable blogging platform using Node.js, Express.js, React, and MongoDB, following Microservices principles to enable independent service deployment.
- Designed RESTful APIs, implemented JWT-based authentication, and integrated Docker for containerization, improving deployment efficiency by 40%
- Developed a responsive frontend and an admin dashboard for content moderation and user management, increasing content handling speed by 60% and improving usability across devices.

**Urdu-GPT-Chatbot (Gemini-Powered CLI) | Python, GeminiAPI**

- Developed an open-source CLI-based Urdu AI chatbot using Python and Google Gemini API, enabling native Urdu interactions for users.
- Achieved 100% Urdu fluency in responses with secure API integration via .env, and improved chatbot performance using Gemini 1.5 Flash (free tier). <https://github.com/ayesha942/Urdu-GPT-Chatbot>

**Encyclopedia of Arabic Poetry in the Pre-Islamic Era | Java, MVC, Design Patterns, MySQL, XAMPP, Eclipse**

- Designed and implemented a high-performance poetry management system processing 100,000+ Arabic text entries, utilizing tokenization and stemming to structure content into verses and misras, improving data retrieval efficiency by 35%.
- Applied core OOP principles and integrated advanced design patterns (Facade, Object Factory, Singleton, and Transfer Object), enhancing code maintainability, reducing module dependencies by 40%, and significantly boosting system scalability. <https://github.com/psdcoderr/SCD-Project-zzzvariationssss-afk>

**Islamic Urdu AI Assistant | Python (Streamlit + GeminiAPI)**

- Developed a GenAI-based Urdu chatbot using Streamlit and Gemini 1.5 Flash, enabling 90%+ accurate fatwa-style Islamic Q&A, JSON dua generation, and CoT halal/haram analysis.
- Designed 5+ advanced prompt modes with secure .env API integration, improving user interaction and religious response accuracy in native Urdu. <https://github.com/ayesha942/Islamic-Urdu-Knowledge-Assistant>

## COURSE WORK

Data Structures, Algorithms Analysis Experience, Operating Systems, Computer Networks, Database Systems, DevOps, Software Engineering, Secure Software Design