

Sara Fathima

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Bengaluru, India
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Profile

Software Engineer with expertise in Python, C++, Java, Unix/Linux, distributed systems, TCP/IP, and machine learning. Experienced in building production-grade AI and backend applications with scalable system design and data pipelines. Proven ability to solve complex problems and deliver high-impact solutions.

Technical Skills

Languages	: Python, C++, Java
Frameworks	: Flask, Django, Spring Boot
Concepts	: DSA, Distributed Systems, Microservices, REST APIs, TCP/IP, Linux/Unix, Cloud (GCP/AWS), CI/CD
Databases	: MySQL, PostgreSQL, MongoDB

Experience

AI Chatbot Developer Intern Bengaluru, India	Mar 2025 – May 2025 Nexinbe
<ul style="list-style-type: none">Developed production-grade AI bots using NLP pipelines integrated via REST APIs.Improved intent recognition accuracy from 61% to 86% with contextual embeddings.Reduced latency by 35% through model compression and optimized async I/O.Implemented CI/CD pipelines on GCP with 99.9% uptime.Collaborated on distributed system design to optimize high-volume data pipelines.	

Education

Presidency University Bengaluru, India	2023 – 2026 BCA in AI & ML CGPA: 9.43/10
<ul style="list-style-type: none">Relevant coursework: DSA, Algorithms, OOP, Distributed Systems, Cloud Computing, Machine Learning, NLP, Computer Vision.	

Projects

Smart AI Attendance System	Python, OpenCV, CNN, Flask
<ul style="list-style-type: none">Offline attendance system with 89% face recognition accuracy under varying lighting conditions.Real-time detection pipeline processing 500+ students in under 1 second.Optimized CNN inference using TensorRT, reducing latency by 40%.	
AI Career Guidance Platform	Python, BERT, Flask, Transformers
<ul style="list-style-type: none">Built AI-driven resume analyzer and career recommender with 85% role prediction accuracy.Deployed scalable backend with Flask microservices, Redis caching, and JWT authentication for 500+ concurrent users.	

Achievements & Leadership

- Smart India Hackathon 2025 Finalist (Top 200 teams nationwide).
- Hireready ML Engineer Award for excellence in ML pipeline optimization.
- GenAI Club Coordinator: Mentored 50+ peers and led 3 AI workshops.
- Open Source Contributor: Developed efficient modules for NLP and CV libraries.