

# 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

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

## EDUCATION

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

## PROJECTS

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

## 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.