

# Sara Fathima

📍 Bengaluru, India

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## SUMMARY

**Final year BCA AI/ML Student** with hands-on experience in **AI/ML projects, NLP, computer vision, and full-stack development**. Skilled in **Python, Java, C++, distributed systems, REST APIs, TCP/IP, and cloud computing**. Experienced in building and deploying production-ready projects through internships and academic work, with a strong foundation in **DSA, OOP, and system design**.

## TECHNICAL SKILLS

<b>Programming Languages:</b>	Python, Java, C, JavaScript
<b>Frameworks &amp; Tools:</b>	Flask, Django, Git, CI/CD, Microservices, MLflow
<b>Databases:</b>	MySQL, PostgreSQL
<b>ML &amp; AI:</b>	TensorFlow, PyTorch, Scikit-Learn, Transformers, CNN, NLP, BERT, OpenCV, MediaPipe
<b>Concepts:</b>	Data Structures, Algorithms, Information Retrieval, Networking, TCP/IP, System Design

## PROFESSIONAL EXPERIENCE

**AI Chatbot Developer Intern**  
Nexinbe, Bengaluru

Mar 2025 – May 2025

- Designed, developed, and deployed production-grade conversational AI bots using **Voiceflow** with custom NLP pipelines integrated via **REST APIs**.
- Optimized intent recognition and dialogue management, improving accuracy from **61% to 86%** and reducing latency by **35%**.
- Implemented CI/CD pipelines on **GCP**, ensuring **91.9% uptime** and fast deployment.
- Collaborated on distributed systems and high-volume data pipelines, showcasing teamwork and problem-solving.

## KEY PROJECTS

**Smart AI Attendance System** (In Progress) – *Tech Stack: Python, OpenCV, CNN, Flask, MediaPipe*

- Developed offline intelligent attendance system with **89% face recognition accuracy** using CNN and real-time computer vision pipelines.
- Engineered scalable microservice architecture supporting analytics and multilingual features.
- Optimized inference using TensorRT quantization, reducing latency by 40%.
- Real-time detection pipelines processing 500+ students' data in under 1 second.

**AI Career Guidance Platform** – *Tech Stack: Python, BERT, Flask, Transformers, Spacy*

- Built AI-driven resume analyzer and career recommender for **10+ tech roles** with **85% prediction accuracy** using **information retrieval** and NLP techniques.
- Deployed scalable backend with Flask for **500+ concurrent users**.
- Reduced manual counseling workload by **70%** through personalized skill-gap analysis and roadmap generation.

## EDUCATION

**Presidency University, Bengaluru**

2023 - 2026

BCA in Artificial Intelligence & Machine Learning, CGPA: 9.43/10.0.

Relevant Coursework: DSA, Algorithms, OOP, Cloud Computing, ML, NLP, Computer Vision, AI Powered Design Thinking

**Seshadripuram PU College, Bengaluru**

2020 - 2022

Pre-University Course (PCMC), 81.2%.

## ACHIEVEMENTS & LEADERSHIP

- Smart India Hackathon 2025: Selected among **Top 200 teams across University**, shortlisted for a scalable AI-based education solution.
- Hirerready ML Engineer(Best Candidate-fit): Excellence in AI/ML Domain and software design.
- GenAI Club Coordinator: Mentored 50+ peers on LLMs; led AI workshops with 50+ participants.