

Sara Fathima

 Bengaluru, India

 +91 90364 45307

 <https://linkedin.com/in/a-sara-fathima>

 sarafathima3700@gmail.com

 <https://github.com/AI-Devsara01>

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

Programming Languages: Python, Java, C, JavaScript

Frameworks & Tools: Flask, Django, Git, CI/CD, Microservices, MLflow

Databases: MySQL, PostgreSQL

ML & AI: TensorFlow, PyTorch, Scikit-Learn, Transformers, CNN, NLP, BERT, OpenCV, MediaPipe

Concepts: 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.
- Hireready 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.