

# Sara Fathima

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## SUMMARY

**Final-year BCA AI/ML Student based in Bengaluru, Karnataka** passionate about building scalable AI-driven solutions. Experienced in **machine learning, NLP, computer vision and app development**, with practical exposure to designing distributed systems and deploying real-world applications. Strong foundation in **DSA, OOP, and system design**, with proven problem-solving and teamwork skills demonstrated through academic and internship projects.

## 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 faster deployment cycles.
- Collaborated in a cross-functional team to design distributed systems and optimize data pipelines for real-time inference, demonstrating strong teamwork and problem-solving skills.

## 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

## KEY PROJECTS

**Smart AI Attendance System** [Python, OpenCV, CNN, Flask, MediaPipe]

- Developed an 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%.
- Designed real-time detection pipelines processing 500+ students' data in under 1 second.

**AI Career Guidance Platform** [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.
- Deployed scalable backend with Flask supporting **500+ concurrent users**.
- Reduced manual counseling workload by **70%** through personalized skill-gap analysis and roadmap generation.

## EDUCATION

**Bachelor of Computer Applications (Artificial Intelligence & Machine Learning)**

2023 – 2026

Presidency University, Bengaluru

CGPA: 9.43 / 10.0

**Pre-University Course (PCMC)**

2020 – 2022

Seshadripuram PU College, Bengaluru

Percentage: 81.2%

## ACHIEVEMENTS & LEADERSHIP

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