Sara Fathima

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SUMMARY

Final-year BCA student based in Bengaluru,Karnataka with a strong foundation in software development, programming logic, and system design. Eager to apply my problem-solving skills and technical aptitude in Python, Java, and web technologies to build robust enterprise solutions. A proactive team player with a proven ability to quickly learn and contribute to complex projects.

PROFESSIONAL EXPERIENCE

AI Chatbot Developer Intern   *Mar 2025 – May 2025*
Nexinbe, Bengaluru

- 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

Programming Languages:	Python, Java, C, JavaScript
Frameworks & Tools:	Flask, Django, Git, CI/CD, Microservices, REST APIs
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

KEY PROJECTS

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

- Engineered a scalable microservice-based web application with Flask backend to automate administrative workflows.
- Developed features for analytics and reporting, improving data accessibility for users.
- Optimized critical performance bottlenecks, reducing system latency by 40% through efficient algorithms and profiling.
- Built a high-throughput system capable of handling data for 500+ users in under a second.

AI Career Guidance Platform   *Python, BERT, Flask, Transformers, SpaCy*

- Developed a full-stack Flask web application featuring a dynamic resume parser and analytics dashboard.
- Designed and deployed a scalable backend architecture capable of supporting 500+ concurrent users.
- Automated manual counseling processes, reducing administrative workload by an estimated 70%.

EDUCATION

Bachelor of Computer Applications (Artificial Intelligence & Machine Learning)   *2023 – 2026*
Presidency University, Bengaluru
CGPA: 9.39 / 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 and software design.
- GenAI Club Coordinator – Mentored 50+ peers on LLMs; led AI workshops with 50+ participants.