

Sara Fathima

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SUMMARY

AI/ML specialist with experience building scalable NLP and computer vision systems using transformers, CNNs, and real-time ML pipelines. Skilled at delivering production-grade AI solutions that drive performance, enhance user experience, and solve high-impact business problems.

TECHNICAL SKILLS

ML Frameworks: TensorFlow, PyTorch, Scikit-Learn, HuggingFace Transformers
NLP: BERT, spaCy, NLTK, Intent Classification, Dialogue Systems
Programming: Python, Java, JavaScript, C
Web Development: Flask, Django, REST APIs, Microservices Architecture

PROFESSIONAL EXPERIENCE

Nexinbe, Bengaluru

Feb 2025 – Present

AI Chatbot Developer Intern

- Built production-grade conversational AI chatbots using **Voiceflow**, incorporating custom intent recognition, slot filling, and dynamic knowledge base workflows
- Optimized NLP pipeline to improve intent accuracy from **61% to 86%** and reduce latency by **35%**

KEY PROJECTS

AI Career Guidance Platform

Python, BERT, Flask, LLM

- Built an AI platform with BERT embeddings and LLM chatbot to deliver resume analysis and dynamic roadmaps for **25+ tech roles** with **85% match accuracy**
- Deployed at scale with Flask backend, JWT auth, and dashboard analytics for **500+ users**, reducing manual guidance load by **70%**

SmartLife AI – Health Advisor

Transformers, OpenCV, LangChain

- Developed real-time AI advisor integrating disease prediction, mood detection, and personalized diet plans using **transformers and CV models**
- Engineered LangChain-based recommender with user profiling, **boosting diet plan relevance by 40%** and achieving **sub-200ms inference**

EDUCATION

Presidency University, Bengaluru

2023 - 2026

Bachelor of Computer Applications in Artificial Intelligence & Machine Learning
CGPA:9.2/10.0

Seshadripuram PU College, Bengaluru

2020 - 2022

Pre-University Course (PCMC)

ADDITIONAL

- Portfolio:** github.com/AI-Devsara01
- Awards:** Smart India Hackathon Finalist (2024), Best-fit Candidate for ML Engineer (Hireready)
- Languages:** English (Fluent), Hindi (Professional), Kannada (Native)
- Leadership:** Organized Mindrocks-Presidency Youth Summit (200+ attendees)