

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 AI Chatbot Developer Intern	<i>Feb 2025 – Present</i>
• 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	<i>Python, BERT, Flask, LLM</i>
• 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	
• 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 Bachelor of Computer Applications in Artificial Intelligence & Machine Learning CGPA:9.2/10.0	<i>2023 - 2026</i>
Seshadripuram PU College, Bengaluru Pre-University Course (PCMC)	<i>2020 - 2022</i>

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)