Bhavya Soni
Middle Software Engineer

SUMMARY

Software engineer with a strong foundation in computer engineering and practical experience in developing scalable applications. Showcases expertise in Python, Flask, FastAPI, and an array of frameworks including Docker and Celery. Proven track record in optimizing data retrieval and processing, exemplified by a 50% performance increase and reduced RAM consumption at Crest Data. Innovatively implemented AI solutions, such as the Netskope AI plugin with Amazon Bedrock, and contributed to machine learning projects during an internship. Holds a solid educational background with a Bachelor's degree in Computer Engineering, boasting a high CGPA of 8.6. The engineer's work through hackathons and personal projects, geared towards automating compliance and transforming flight booking datasets using LLMs, further distinguish their profile as both skilled and innovative in the field of software engineering.

TECHNICAL SKILLS

Main Technical Skills	Python (3 yr.), FastAPI, Generative AI, SQL, MongoDB
Programming Languages	Python (3 yr.)
Python Frameworks	FastAPI, Flask
AI & Machine Learning	Hugging Face, LangChain, LlamaIndex
Databases & Management Systems / ORM	MongoDB, relational databases, SQL
SDK / API and Integrations	FastAPI
Other Technical Skills	Data Structures

WORK EXPERIENCE

Machine Learning Engineer Intern, ML Algorithm for Counting Individuals

Duration: Aug 2021 - Nov 2021
Summary: Developed an algorithm for counting individuals in a video feed using YoloV5 model with Flask backend.
Responsibilities: Developed algorithm, backend implementation, UI boundary

specification.
Technologies: Python, Flask, YoloV5

Software Engineer, Netskope Cloud Exchange

Duration: Jan 2022 - Feb 2025
Summary: Assisted in building an efficient log data retrieval and transformation mechanism for Netskope Cloud Exchange platform.
Responsibilities: Data retrieval mechanism design, system optimization, circuit breaker mechanism development, IoT module integration.
Technologies: Python, Celery, RabbitMQ, Docker

Software Engineer, HRMS - Internal Tool

Duration: Jan 2022 - Feb 2025
Summary: Developed and maintained HRMS internal tool with a focus on delivering enhancements and bug fixes.
Responsibilities: Management portal operation, collaboration with teams, feature redesign.
Technologies: Python, Flask, PostgreSQL, Docker

Software Engineer, Netskope AI Plugin

Duration: Jan 2022 - Feb 2025
Summary: Implemented Netskope AI plugin to automate query tasks and improve data extractability through AI agents.
Responsibilities: AI plugin development, algorithm integration, documentation support integration.
Technologies: Amazon Bedrock, Python

Participant, ML Based Compliance Application and Chatbot

Duration: Hackathon Event
Summary: Created an AI-powered compliance application and chatbot to streamline IT audit processes.
Responsibilities: Compliance application development, chatbot integration, real-time support for IT audits.
Technologies: ML models, Chatbot technologies, Gemini Pro

Project Developer, Data Cleaning and Querying Engine

Duration: Independent Project
Summary: Developed a data cleaning and querying engine using LLMs to improve data analysis and query handling.
Responsibilities: Data cleaning and transformation, inconsistency handling, data-driven analysis.
Technologies: Large Language Models, Langchain Pandas Agent

Project Developer, Chatbot for API Documentations

Duration: Independent Project
Summary: Built a chatbot to process and index API documentation with vector database integration.
Responsibilities: Data extraction and saving, dataset processing and indexing, vector database querying.
Technologies: Notion APIs, Markdown, Cohere LLMs, ChromaDB

EDUCATION

- **Bachelor of Engineering in Computer Engineering**
  Graduated with a distinguished CGPA of 8.6.
  June 2018 - June 2022