SAHIL TIWARI

Software Engineer | Python Developer | AI & Data Engineering

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github.com/Arceus18 Portfolio

Summary

Software Developer with practical experience in Python, SQL, Machine Learning, and AI application development. Developed intelligent software solutions involving NLP, automation, and large language models. Strong understanding of Data Structures, Algorithms, OOP, and software engineering principles. Eager to contribute to building scalable, high-quality applications while continuously learning modern technologies.

Experience

Software Engineer Intern, *EzeeTask* 04/2026 – Present
Gurgaon, India

- Performed functional, regression, and user acceptance testing for web applications to identify defects and ensure software quality.
- Created and executed test cases, documented bugs, and collaborated with developers to track issue resolution.
- Validated application workflows, improving reliability and user experience before production releases.
- Gained exposure to software development lifecycle (SDLC), Agile methodologies, and quality assurance processes.

Education

B.Tech in Computer Science Engineering, 2021 – 2025
Priyadarshini Bhagwati College of Engineering, Nagpur
CGPA: 7.1 / 10

Skills

Languages
Python, SQL, C#

Engineering
Data Structures & Algorithms(DSA), Algorithms, Prompt Engineering, SDLC, Software Engineering

AI & Data Engineering
Large Language Models(LLMs), Prompt Engineering, NLP, Contextual Memory Management

Tools
Git, GitHub, Wireshark, Linux, Jira

Projects

Your-OWN-AI, *https://github.com/Arceus18/Your_own_AI*

- Built an AI-powered personal assistant capable of understanding natural language queries and performing intelligent task automation through Large Language Models (LLMs).
- Integrated LLM-based reasoning, prompt engineering, and contextual memory management to generate accurate responses and execute user-defined workflows.
- Improved productivity by automating repetitive tasks and providing a scalable foundation for developing agentic AI applications and conversational assistants.

Packet Analyzer, *https://github.com/Arceus18/Packet_analyzer*

- Built a network packet analyzer in C++ to capture and inspect real-time traffic using Deep Packet Inspection techniques.
- Implemented packet parsing and protocol analysis using C++, extracting packet headers, metadata, and application-layer information for traffic classification.
- Developed protocol-level parsing logic to monitor real-time traffic, providing deep visibility into network bottlenecks and communication patterns.
- Analyzed 1000+ packets during testing.

Key Achievements

Google x Kaggle AI Agents Intensive Program Participant
Selected for an intensive program focused on building and optimizing autonomous machine learning agents.

Completed Google Cloud Skill Boost Labs

- Completed Google Cloud Skill Boost Labs covering BigQuery, Compute Engine, IAM, and Cloud Storage.
- Mastered core GCP services

Solved 100+ Data Structures and Algorithms problems
Demonstrated strong analytical logic by solving over 100 competitive programming challenges on LeetCode and GFG.