SIDDHARTHA PURWAR

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EXPERIENCE

Security Consultant Engineer, CISCO　　　　　　　　　　　　　　　　　Aug 2023 – Present
- Working on a LangChain & Langgraph project and developed Python software for testing security products in Cisco Security Summit within 1 week.
- Designed a feedback tool using GenAI, reducing the load time by more than 90%. Also, completed a visualization project using React for case history analysis.
- Resolved over 300 real-time VPN networking issues as a part of customer-facing role.

Technical Undergraduate Intern, CISCO　　　　　　　　　　　　　　　　Jan 2023 – Jun 2023
- Worked with Security BU and crafted a plugin in GoLang to monitor database health using less than 1% of measurable data.
- Built an audio & video analysis tool with Python, generating 5 interactive graphs, and received recognition from the Director.

Project Manager Intern, Tardemarkia | LOR　　　　　　　　　　　　　　May 2022 – Jul 2022
- Coordinated and synchronized multiple projects involving 22 interns.
- Revived a critical project that had been on hold for 6 months.

Full-Stack Developer Intern, Powstik　　　　　　　　　　　　　　　　　Apr 2022 – Jul 2022
- Led the migration process to a Cloud platform with a 9-member team.
- Designed and launched a website for a seller-portal using Flask, Bootstrap, and Azure

Software Developer, FutureReadyTalent | Project　　　　　　　　　　　Nov 2021 – Feb 2022
- Built an e-commerce platform with 2 portals (seller, buyer).
- Deployed on 2 Azure VMs for each portal, utilizing Azure SQL and Azure Blob for efficient data handling.

MAJOR PROJECTS

Log Ingestor and Query Interface | *FastAPI, Elasticsearch, PostgreSQL, RabbitMQ*
- Constructed a log ingestion system, capable of handling 5000 requests per minute with PostgreSQL and RabbitMQ.
- Utilized Elasticsearch and PostgreSQL for efficient data handling, performance tested using Apache JMeter.

ML Workflow on Amazon SageMaker | *AWS*
- Performed ETL and model training using Boto 3, integrated with AWS Lambda for automated process execution.
- Launched a model endpoint with real-time monitoring capabilities for model inference analysis.

Store-API | *Python, Flask, RestAPI*
- Developed RestAPI based store management API in Flask framework.
- Utilized smorest, JWT for authentication, mailgun and render for deployment.

EDUCATION

Vellore Institute of Technology　　　　　　　　　　　　　　　　　　　　May 2019 – May 2023
B.Tech in Computer Science with Business System [CGPA: 8.23]

AWS AI & ML Scholarship Program　　　　　　　　　　　　　　　　　　　Aug 2022 – Oct 2023
Nano-Degree in Machine Learning Fundamentals + AI Programming with Python

TECHNICAL SKILLS

Python, React, LangChain, FastAPI, SQL, PostgreSQL, MySQL, Flask, AWS Lambda, Git & GitHub, Docker.

AWARDS AND MAJOR CERTIFICATIONS

- Received 4 recognition's for contributions to automation and AI projects.
- Global rank 19 in Shell.ai Hackathon
- Young Turk Award for exceptional performance from Cisco
- Top 12% at LeetCode (Best)
- Linux Mastery: Master the Linux Command Line in 11.5 Hours
- HackerRank Advanced SQL Certified
- Wipro Earthian Award 2014 by Mr. Azim Premji, Founder of Wipro