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EDUCATION

Vellore Institute of Technology

2021 – 2025

Bachelor of Technology in Computer Science and Engineering

EXPERIENCE

Software Engineering Intern

Oct. 2023 – Nov. 2023

Skit.ai

Bangalore, India

- Optimized application performance through systematic debugging and implementation of efficient algorithms
- Developed RESTful APIs handling 500+ daily requests with 99.8% uptime
- Collaborated on AI-powered conversational solutions, enhancing user experience and engagement

Data Analytics Intern

Oct. 2024 – Dec. 2024

Netlink Software Private Limited

Remote

- Conducted exploratory data analysis on large datasets, identifying key trends and patterns
- Developed predictive models using machine learning algorithms, improving forecast accuracy by 25%

Backend Developer Intern

Nov. 2023 – Dec. 2023

CodesOnBytes

Remote

- Designed Python-based optimization challenges and automated testing frameworks, improving code coverage by 40%
- Enhanced system durability and performance through cross-functional collaboration, reducing runtime by 25%

ACHIEVEMENTS

Deloitte Australia Data Analytics Job Simulation on Forage: February 2025

Certifications: Machine Learning and Artificial Intelligence by SmartInternz

LeetCode: Solved 250+ problems

TECHNICAL PROJECTS

Log Analysis Tool | *Python, Pandas, Matplotlib*

- Developed a tool to analyze server logs, identifying unusual patterns and errors with 90% accuracy.
- Created interactive visualizations to track traffic trends and system performance over time.

AI Text Summarizer | *Flask, NLTK, Spacy*

- Built a web-based text summarization tool that processes documents and generates concise summaries.
- Implemented NLP techniques to extract key phrases and improve summary relevance.

Traffic Analytics System | *OpenCV, YOLOv8, Python*

- Designed a vehicle detection system for traffic monitoring with high accuracy in real-time video feeds.
- Analyzed traffic data to identify congestion hotspots and generate actionable insights.

Survey Rep | *Power BI, Excel, Python*

- Identified key drivers in career decisions: job difficulty, coworkers, management, salary, using interactive Power BI dashboards.
- Streamlined data from LinkedIn Forms; transformed & summarized data in Excel to enhance Power BI insights on languages (Python).

KEY SKILLS

Programming Languages: Python, SQL, R

Data Analysis Tools: Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn

Big Data Technologies: Spark

Visualization Tools: Tableau, Power BI

Machine Learning: Regression, Classification, Clustering, Time Series Analysis

Web Development: Django, FastAPI, REST APIs, Bootstrap