Mohith Tirumalasetty (Programmer Analyst Trainee)

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Summary

I am a B.Tech graduate in Computer Science with a specialization in Artificial Intelligence and Machine Learning. I have practical skills in Python, Power BI, and AWS Cloud, and a strong interest in Data Science and Cloud Computing. I am a quick learner, hardworking, and enjoy solving real-world problems. I'm looking for a challenging role where I can apply my knowledge, grow my skills, contribute to team success, and build a meaningful career in the tech industry.

Areas of Expertise

- Core Java
- Python3
- Web Development
- AWS Practitioner
- Artificial Intelligence , Machine Learning & Deep learning
- Natural Language Processing
- Data science
- Data Analytics

Work Experience

Cognizant - Programmer Analyst Trainee (June 2025 – Present)

- Currently developing a scalable insurance management platform using Java and Spring Boot, focused on handling policy administration, claims, member enrollment, and premium processing through a microservices architecture.

Data Analyst Intern, IntrainTech, Bangalore (Nov 2023)

- Analyzed Walmart sales data using Power BI to extract insights into operational efficiencies and financial performance.

Data Science Intern, Devtown

- Led the Smart Urban Planning project, utilizing regression, clustering, and geospatial analysis to integrate multiple data streams and inform strategic urban development strategies.

Education

B.Tech in Artificial Intelligence and Machine Learning, VIT – AP , Amaravati - CGPA: 8.88

Intermediate, Sri Chaitanya Jr College, Vijayawada - 92.6%

SSC, Kendriya Vidyalaya No-1, Vijayawada – 90.5%

Languages & Skills

Languages / Database: Python3, Java8, MySQL, Pl/SQL

Web Tech Stack: HTML CSS3 JS, Bootstrap5, Spring Boot

Tools: Ms Power BI, MS Office, Git , GitHub Copilot

Operating Systems: Windows, Linux

Selected Relevant Project Experience

An Effective Soil Pollution Monitoring System:

- The "Effective Soil Pollution Monitoring System" project aimed to design and implement an innovative solution for comprehensive, efficient monitoring of soil pollution levels.

BiLingual Handwritten Indian Language Translation: (Paper published at conference)

- This project focuses on creating a system that extracts and translates handwritten and printed Indian language texts, especially Sanskrit, into English. The project leverages *EasyOCR* for text extraction and integrates it with a translation model to achieve accurate results.

Topic Modelling using Latent Semantic Analysis:

- Involved text preprocessing, applying LSA to extract key topics, and visualizing results for actionable insights.

Retail Data Analytics - Walmart Sales Performance Analysis:

- The project resulted in enhanced understanding of Walmart's sales dynamics, contributing to more informed business strategies and improved overall sales performance.

Smart Urban Planning:

- Smart urban planning seeks to create cities that are more livable, sustainable, and resilient by leveraging technology, promoting sustainability, improving efficiency, engaging with communities, and prioritizing the well-being of residents.

Group Health Insurance Management System:

-A scalable web-based solution built using Java and Spring Boot to manage insurance policies, employee enrollment, claims, and premium processing through a microservices architecture.

Outside of Work

I enjoy exploring new technologies and working on personal development projects. I actively pursue online courses to stay updated with industry trends and enhance my technical skills.

Certifications

- Certified intern at **INTRAINTECH, Bangalore.**
- Certified in the Data Science course from - **Dev Town**
- **Google**, Had Certified and Recognized as a **"GOOGLE CLOUD DIGITAL LEADER".**
- **Amazon**, Had Certified and Recognized as a **"AWS CLOUD PRACTITIONER".**