DUMPAALA UMESH CHANDRA

Associate Software Engineer Intern
Tech Mahindra
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 GitHub Profile
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EDUCATION

•Bachelor of Technology in Computer Science and Engineering — *2019-23*
Annamacharya Institute Of Technology and Sciences — CGPA: 7.12

•Intermediate(MPC) — *2017-19*
Sri Hari Juniour College, Kadapa — CGPA: 7.82

•(SSC) — *2016-17*
SV High School, Bayanapalli — GPA: 7.7

PERSONAL PROJECTS

• **Machine Learning-Based Analysis of Cryptocurrency Market Financial Risk Management**

- To leverage advanced machine learning techniques to assess, predict, and mitigate financial risks associated with investing or trading in Cryptocurrency markets. The project begins with collecting and preprocessing various data sources, including historical price data, trading volumes, social media sentiment, news articles, and macroeconomic indicators. Feature engineering is then employed to transform raw data into meaningful features, such as price volatility, sentiment scores, and technical indicators.
- Using various models like Random forests, AdaBoost Classifier, and Extratrees,aimed to identify factors contributing to obesity and develop accurate prediction methods
- The results revealed significant insights into the factors influencing obesity, including weight, height, family history, smoking, and alcohol consumption.

• **Nxt Trendz (ECommerce Clone - Amazon, Flipkart)**

- Developed a cutting-edge e-commerce platform inspired by Amazon and Flipkart. .
- Built pages for Login, Products, and Product details with React Router, React components, form inputs, and event handlers
- Enabled secure authentication and authorization with JWT tokens and REST API calls.

EXPERIENCE

•Associate Trainee — *Dec 2024 - Ongoing*
Tech Mahindra — Internship

- Developed **agentic Ai**, a multi-agent system using Google A2A Protocol and Gemini AI for real-time task delegation via JSON-RPC and SSE.
- Built an **OCR pipeline** using Python, Streamlit, and OpenAI Vision API with secure input validation and artifact generation
- Created a **Career Management Platform** offering AI-powered resume suggestions and career insights via GPT models.
- Ensured **MCP protocol compliance** and optimized backend workflows for async processing

TECHNICAL SKILLS AND INTERESTS

Languages: Java programming, Spring Boot, Python, SQL, HTML, CSS, JavaScript, React Js
Web Dev Tools: VScode, Git, Github, Pycharm
Cloud/Databases: SQLite
Relevent Coursework: Operating Systems, Object Oriented Programming, Database Management System, Software Engineering
Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability

CERTIFICATIONS

- Java Fundamentals
- Programming Foundations of Python
- Introduction to Databases
- Build Your Own Dynamic Web Application