

Tejas JM

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🌐 [linkedin.com/in/tejas-jm/](https://www.linkedin.com/in/tejas-jm/)

📍 Hyderabad

Education

Matrusri Engineering College

B.E, Computer Science and Engineering, 7.78 CGPA

Nov. 2020 – June 2024

Narayana Junior College

PCM, 96% TSBIE Boards

June 2017 – Apr. 2019

Little Flower High School

SSC, 9.3 CGPA

June 2005 – Apr. 2017

Experience

Data Analyst

Panamax Infotech

Feb. 2023 – July 2023

- Developed a **robust API** to efficiently **fetch and decode data** from Ethereum nodes, streamlining data retrieval processes for **analysis**.
- Implemented advanced **anomaly detection mechanisms** within the API, ensuring **timely notifications** to the database admin in case of any **irregularities**.
- Leveraged API capabilities to **directly update** the company's database with **accurate and validated** blockchain data, contributing to **data integrity**.

Projects

Image Forensics Python, TensorFlow

- Developed an **innovative system** utilising **CNNB** to accurately classify **authentic images, AI-generated content and edited visuals**, achieving a remarkable **96% accuracy**.
- Leveraged **DCGANs** to enhance the dataset with synthetic images, improving the system's capability to **detect AI-generated content** effectively.
- Conducted **rigorous unit testing** to ensure **dependable performance** and precise classification across **diverse scenarios**.

FormFix Python, OpenCV, Mediapipe

- Engineered a **real-time exercise form evaluation app** using **OpenCV, Mediapipe, and Convolutional Neural Networks**. Accurately tracked **body landmarks** during **bicep curls, shoulder press, squats, and lateral raises**.
- Customized **pose estimation pipelines** for **precise joint angle analysis** in each exercise. Detected **incorrect form** in real time, offering **visual feedback** for instant correction.
- Optimized **workout efficacy and safety** by providing **immediate corrective prompts** based on angle measurements and repetition counts. Empowered users to **enhance exercise form** and **avoid potential injuries**.

Technical Skills and Competencies

- Languages: Python, C, C++, SQL, R, HTML, CSS
- Frameworks : TensorFlow, PyTorch
- Developer Tools: Git, GitHub, VS Code, PyCharm, Jupyter Notebook
- Libraries: Pandas, NumPy, Matplotlib, scikit-learn, OpenCV
- Competitive Programming: 5-Star Problem Solving Hackerrank, 2-Star Codechef

Competitions, Recognition and Volunteering

Competitions: 5+ hackathons (Offline + Online), 4th Place in the Regional Round of the GFG Solving For India

Recognition: Indian Army SSB Recommended (Medical Out), Microsoft Certified : Azure AI Fundamentals, Microsoft Certified : Azure Data Fundamentals, Meta Social Media Marketing Professional, Meta Certified Digital Marketing Associate, Python, SQL, and C++: 5 Stars @ Hackerrank

Volunteering: DeepLearning.AI Mentor, GFG Student Chapter Founder and Lead, Matrusri Developer Space Club Lead, IEEE Chapter Secretary, Badminton Team Captain

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