SHREETAMA MOHANTA

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EDUCATION

VIT University, Vellore   *August 2021 – August 2025*
Bachelor of Technology in Electronics and Communication Engineering   *CGPA: 8.9/10*

Carmel Junior College, Jamshedpur   *March 2005 – March 2021*
CLASS XII (ISC)   *Percentage: 94/100*

CLASS X (ICSE)   *Percentage: 95/100*

EXPERIENCE

IoT Intern   *August 2023– October 2023*
Tata Steel Ltd.   *Hybrid*
- A project on Esp32, sensors and Serial Communication.
- Prepared a report based on the garnered knowledge which helped in honing my Project management and Technical Documentation skills.
- Explored new technologies and approaches to streamline processes.

PROJECTS

Sakhi | *Flutter Git*
- Developed "Sakhi", an innovative Radha Krishna Mobile App leveraging Dart and Flutter, showcasing enchanting mantras and a soothing user experience.
- Integrated Bhagavad Gita quotes, Lord Krishna stories, and soulful Radha Krishna bhajans.
- Enriched the app with stunning visuals of Radha Krishna temples across the country, offering users an immersive and spiritually uplifting journey.

Stock Price Prediction | *Python, Machine Learning and Deep Learning, Kivy Git*
- The objective of this project was to create an AI model that can accurately identify the curves of a stock, and predict the future values using a trained LSTM model.
- Analyzed historical and real-time data, resulting in a 40 percent increase in stock price prediction accuracy.
- The GUI was prepared using kivymd, making it possible to run the program across all devices like Android, Mac, and ios.

Fitness Band | *IoT, Embedded Systems, Communication Protocols Git*
- The main goal was to design a compact and affordable wearable device that enhances users' overall well-being by providing reliable health monitoring capabilities.
- Integrated sensors such as ADXL335 and Heart Rate Sensor to capture data and implemented digital signal processing for accurate heartbeat monitoring.
- Utilized the "Blynk" platform for IoT integration, enabling remote access, event logging, notification handling, and interactive control via the Blynk mobile app for seamless user experience and data management.

Traffic Congestion Control | *Python, Image Processing Git*
- Developed an intelligent traffic management system using computer vision, deep learning, and the DETR (DEtection TRansformer) algorithm to analyze real-time video streams from two cameras for vehicle detection and traffic analysis.
- Integrated OpenCV for image processing, object detection using the DETR model, and machine learning-driven traffic optimization, dynamically adjusting traffic light signals based on vehicle counts and traffic conditions.

SKILLS

Programming Languages	Java, Dart, Python, C, Embedded C, MATLAB
Web Technologies	HTML 5, CSS 3, JavaScript
Database	SQL
Framework	Flutter
Tools & IDE	Visual Studio Code, Eclipse, Pandas, TinkerCad, Arduino, Cadence, R, Microsoft Office Suite
Technical Skills	Mobile App Development, Front-end Development, Data Analysis, Competitive Coding, Data Structures and Algorithm
Soft Skills	Quick Adopter, Workload prioritization

CERTIFICATIONS

Certificate 1 : IBM Python for Data Science, AI and Development, Coursera
Certificate 2 : IBM Data Analysis with Python

ACHIEVEMENTS AND EXTRACURRICULAR

- National Level Lawn Tennis Player.

- Winner in State Level ASISC Singles, secured 2nd position in Zonal Lawn Tennis Championship, Dhanbad.

- Computer Literacy Project. Taught Microsoft Word and Paint to the deaf and mute students of Carmel Bal Vihar School, Jamshedpur; learnt sign language to communicate better.

- House Vice-Captain at school. Elevated student engagement, fostering a culture of participation in extracurricular activities.

- Actively participated in Clubs and Chapter events at VIT University, Vellore.

LANGUAGES

- English   - German   - Hindi   - Bengali

HOBBIES AND INTEREST

- Athletics   - Sketching   - Swimming   - Singing   - Taekwondo