OMKAR ADITYA SAHOO

Bhubaneswar, India

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EDUCATION

Vellore Institute of Technology — September 2021 – July 2024
*B.Tech in Computer Science - **CGPA** - **8.91*** — *Chennai, India*

ODM Public School — May 2019 – May 2021
*Class XII - Higher Secondary Education - **Percentage** - **92%*** — *Bhubaneswar, India*

Buxi Jagabandhu English Medium School — October 2016 – April 2019
*Class X - Secondary Education - **Percentage** - **96.6%*** — *Bhubaneswar, India*

EXPERIENCE

Vivid Infotech Software Solutions (P) Ltd. — May 2024 – July 2024
Software Developer — *Chennai, India*

- Contributed in the development of a scalable music sharing platform using Next.js and Supabase, enhancing **user engagement**.
- Strategized Supabase authentication services, **improving user security** and reducing unauthorized access incidents.

SKILLS

Programming Languages: Java, C++, Python, C, Tailwind CSS, HTML, CSS
Databases: SQL, MySQL
Developer Tools: Github, VS Code, Anaconda, Google Colab, Jupyter Notebook
Fluent in English, Hindi , Bengali and Oriya

PROJECTS

EDUGUARD - Smart School Bag Management System | Firestore, Flask, RFID, HTML, CSS, Javascript

- Engineered a solution using Firestore to notify students via message **about item discrepancies in their bags, based on a custom timetable** managed online.
- Capitalized Firebase and Firestore for scalable data storage and real-time updates, ensuring robust performance and reliability.
- Implemented Arduino and RFID technologies for precise item tracking and status updates.

STREAMIFY-Collaborative Music Discovery Platform | Next.js, Typescript, PostgreSQL, Supabase

- Leveraged Supabase storage for efficient song management, ensuring high availability, scalability and reliability.
- Facilitated **secure, authenticated song upload functionality for users**, augmenting platform content.

BULLDOZER PRICE FORECASTING SYSTEM | Numpy, Pandas, Matplotlib, Scikit-Learn

- Conducted comprehensive analysis and **visualization of 412K bulldozer features spanning from 1989 to 2012**, ensuring robust data quality for optimal model performance.
- Achieved an impressive **RMSE of 0.245** on the validation set, underscoring the model's exceptional accuracy.

CERTIFICATIONS

- **AWS Certified Cloud Practitioner**
- **Google Cloud Certified Digital Leader**

EXTRACURRICULAR

Technical Programmer - TECHNOCRAT ROBOTICS

- Contributed to the development of both manual and autonomous robots for **Robocon 2024 Competition.**
- Developed a ball sorting algorithm based on container analysis.