

Dhruv Vatsa

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Education

Netaji Subhas University of Technology, Delhi

B.Tech Instrumentation and Control Engineering | **CGPA-8.25** till 5th Sem

2021-25

Mayo International School, Delhi

12th CBSE Board | 92%

2021

Amity International School

10th CBSE Board | 95%

2019

Experience

Ernst & Young - Summer Intern

June 23-July 23

- Created an admin dashboard utilizing ReactJS within an asset management application.
- Established a data transfer system from IoT devices to Microsoft Azure using KepServer.
- Developed an application utilizing Flask for interacting with diverse databases, including PostgreSQL, Microsoft SQL Server, and MySQL.

Technical Skills

Languages: C/C++, Python, MySQL, JavaScript, HTML/CSS

Frameworks: ReactJs, Flask, ExpressJs, MongoDB

Technologies: Machine Learning, Sql, NumPy, Kepservers, Docker

Projects

Horizon | [Deployment link](#) | React, Node.js, Express.js, MongoDB, Bcrypt.js

- This project enables travelers to organize their journeys by drawing insights from the experiences of past customers.
- Built a complete tour management solution, with Node.js and Express.js acting as the backend and React serving as the frontend.
- Security functionalities, including authentication and password encryption, are integrated.

VisionX | [Deployment link](#) | Yolo V5, Deepsort, PyTorch

- Designed a machine learning application, blending Yolo-V5 and DeepSort with Pytorch.
- Real-time object detection is made possible via webcams, local videos, and live streaming.
- Class confidence selection, low frame rate warnings, and video-related KPIs have been incorporated into the system.

CoinVerse | [Deployment link](#) | ReactJs, ChartJs, CoinGecko

- Utilized ReactJs to create a live cryptocurrency monitoring system.
- ChartJs is employed in the app to illustrate the specific coin data and historical patterns.

Academic and Extracurricular Achievements

- **AIR-1** in E-Business course offered by IIT-Kharagpur.
- Awarded **100% Scholarship** in class XII.
- Collaborated in a 24-hour hackathon hosted by IEEE.
- Presented a creative solution to BoAt Wavemaker's challenge, aimed at improving customer retention.
- Designed a frontend project for Maruti Suzuki XCElerate.

Certifications

- Google Cloud Program-cloud networking, Firebase, DevOps
- Innovation, Business Model and Entrepreneurship - IIT Roorkee