YASH SRIVASTAVA

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SUMMARY

Computer Science (AI/ML) undergraduate with a strong foundation in core engineering concepts and programming fundamentals. Skilled in problem-solving, analytical thinking, and technical communication, with experience applying academic knowledge to real-world projects, software development, and data-driven solutions.

EDUCATION

B.Tech. Computer Science & Engineering (Specialization AI/ML)
Vellore Institute of Technology, Bhopal · 08/2023 – Present · 8.93

Higher Secondary School
Holy Public School, Agra · 04/2021–04/2022 · 84%

SKILLS

Programming Languages: Java, Python, C, C++, JavaScript
Python Frameworks: Django, Flask
Machine Learning & Libraries: TensorFlow, NumPy, Pandas, Scikit-learn
Frontend Development: React.js, Tailwind CSS
Backend Development: Node.js, Express.js
Databases: MongoDB, SQL, PostgreSQL
Languages Known: English, Hindi

EXPERIENCE

Core Member
UX-Club, Vit Bhopal   November 2025 – Present
· As a Core Member of the Content Team in the UX Club, I play a key role in shaping user-focused communication across the club's initiatives.
· I collaborate closely with designers and organizers to research, plan, and create meaningful content for workshops, events, and digital platforms, ensuring clarity, accessibility, and consistency with UX principles.
· My responsibilities include translating complex design concepts into engaging, easy-to-understand narratives, maintaining content quality standards, and continuously refining content based on feedback to enhance overall user engagement and experience.

Volunteer
UX-Club, Vit Bhopal   February 2025 – February 2026
· Club Event AdVITya'25 (Annual fest of VIT Bhopal) and opening event of the UX-Club.
· Part of event management team.
· Part of social media and promotion team.

Project Contributor
(Project Exhibition-Vit Bhopal)   September 2024 – January 2025
· All-in-one platform that allows users to access emergency services, schedule appointments, and communicate with healthcare professionals remotely. Additionally, managing medical records, organizing home visits for pathology tests, and quick access to doctors during emergencies which fragmented across various platforms.
· Responsible for Front-end development.
· Responsible for database and query.

PROJECT

DriverGuard AI – Deep Learning Based Driver Distraction Detection System
github.com/Yash-2808/Distracted-Driver-Detection-using-deep-learning · December 2025 - January 2026
· Developed a deep learning–based driver distraction detection system using EfficientNet and TensorFlow, achieving high classification accuracy across 10 driver behavior classes and deployed via a Flask web application with a modern UI.
· Built and fine-tuned an EfficientNet-based CNN model to classify 10 distracted driving behaviors using the State Farm dataset.
· Applied transfer learning, data augmentation, mixup, label smoothing, and AdamW optimization to improve generalization.

Chemical Equipment Parameter Visualizer
github.com/Yash-2808/Chemical-Equipment-Parameter-Visualizer · September 2025 - November 2025
· Developed a hybrid web and desktop application to upload, process, and visualize chemical equipment data from CSV files.
· Built a Django REST API backend with authentication, CRUD operations, and structured data management.
· Designed a responsive React frontend with interactive dashboards using Chart.js for real-time analytics.

· Integrated a PyQt5 desktop application with Matplotlib for cross-platform visualization and reporting.
· Automated data validation, statistical analysis, and PDF report generation using Pandas and ReportLab.

Medie Genie App

kzmlzy5z83lmaschw1u2.lite.vusercontent.net/ · May 2025 – July 2025

· All-in-one platform that allows users to access emergency services, schedule appointments, and communicate with healthcare professionals remotely.
· Managing medical records, organizing home visits for pathology tests, and quick access to doctors during emergencies like fragmented across various platforms.
· Responsible for Front-end and database of application.

CERTIFICATIONS

Applied Machine Learning in Python

University of Michigan · 11/2025 – 01/2026

AWS Technical Essentials – AWS Training & Certification

AWS · 2025

Cloud Computing with 82% score (Elite Topper)

NPTEL · 01/2025 – 04/2025

HP Power Lab

Hindustan Petroleum Corporation Ltd. · 01/2025

HEALTH4HACK Hackathon

Vit Bhopal · 12/2024

Problem Solving(Basics)

HackerRank · 10/2023