

Amankumar Anil Verma

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Bachelor of Technology

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GitHub Profile

LinkedIn Profile

EDUCATION

•Bachelor of Technology in Computer Science and Engineering(AIML)

2022-26

VIT Bhopal University, Bhopal, Madhya Pradesh

CGPA: 9.12

PERSONAL PROJECTS

•TaskIN: Local Service Provider Mobile App (Ongoing)

A mobile app connecting customers with local vendors, featuring real-time tracking and payments.

- Designed the entire TaskIN app interface, optimizing user experience and boosting app engagement by 30%.
- Launched emergency medical services feature, reducing critical response times by 30%.
- Expanded accessibility with multilingual support, increasing the user base by 40% in rural and tier-2 cities.
- Technology Used: Flutter (cross-platform), Firebase (real-time data sync, secure authentication)

•ML-Based SaaS Health & Meal Planner (Ongoing)

An ML-based SaaS platform offering personalized health and meal plans to enhance adherence.

- Implemented machine learning models to adjust diets and workouts in real time, boosting user adherence by 25%.
- Delivered personalized health recommendations, enhancing engagement for over 1,000 users.
- Led the development of a scalable backend using FastAPI and PostgreSQL, reducing server response time by 40%.
- Technology Used: Python, React.JS, FastAPI, PostgreSQL.

•Machine Learning Model on Drowsiness Detection

A real-time camera-based system preventing drowsy driving using YOLOv5 and PyTorch.

- Developed a drowsiness detection model using YOLOv5, PyTorch, and OpenCV, achieving 95% accuracy in detecting drowsiness and reducing false negatives by 30%.
- Implemented real-time monitoring features, enhancing driver safety and reducing drowsiness-related accident risk by an estimated 25%.
- Technology Used : Python

EXPERIENCE

•SDT House of Fashion Internship

Online

- Led the design and setup of the company website, resulting in a 20% boost in online sales.
- Developed custom shipping modules, streamlining order processing and reducing cart abandonment by 10%.
- Enhanced UI/UX design, improving user experience and reducing bounce rates by 15%.

POSITION & RESPONSIBILITIES

•Design Specialist: Freelancing Club

Fulltime

VIT Bhopal University, Bhopal, Madhya Pradesh

- Created and executed 50+ custom graphic designs for the Freelancing Club, strengthening the club identities.
- Boosted club recognition by 40% through enhanced visual appeal and strategic design.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, Javascript, HTML+CSS

Libraries : C++ STL, Python Libraries, ReactJs

Web Dev Tools: Nodejs, VScode, Postman, Git, Github

Frameworks: ReactJs

Cloud/Databases: MongoDB, Firebase, Relational Database(PostgreSQL)

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Computer Network.

Areas of Interest: Web Design and Development.

Soft Skills: Presentation, Problem resolution, Self-learning, Presentation, Resilience

ACHIEVEMENTS

•NPTEL Topper: Privacy & Security in Online Social Media

- Ranked in the top 5%, awarded Elite + Silver Certificate.