

Animesh Abhi Dubey

VIT Vellore, Tamil Nadu, India

(+91) 9755650470

Animeshabhidubey182@gmail.com

GitHub: github.com/animeshd06 — LinkedIn: linkedin.com/in/animeshdubey-06

OBJECTIVE

Motivated sophomore pursuing B.Tech in Information Technology with strong full-stack development skills and hands-on experience in building scalable applications. Seeking software development internship opportunities to apply expertise in modern technologies including React, Node.js, Python, and cloud platforms while contributing to innovative projects.

EDUCATION

Bachelor of Technology in Information Technology,
Vellore Institute of Technology, Vellore, Tamil Nadu
Expected Graduation: July 2028
CGPA: 7.5/10.0

TECHNICAL

SKILLS

Programming Languages: C++, JavaScript, TypeScript, Python, Java, Go, Rust

Web Technologies: React.js, Next.js, Node.js, Tailwind CSS, Material UI

Databases & Tools: MongoDB, PostgreSQL, Redis, Firebase

DevOps & Cloud: Docker, Kubernetes, AWS, Git, Postman

Other Technologies: FastAPI, YOLO11x, OpenCV

PROJECTS

Athletix - Sports E-commerce Platform December 2024 - Present
Technologies: React, Vite, SQL, Firebase

- Developed a modern, feature-rich e-commerce platform for premium sports gear and athletic wear
- Implemented user authentication and real-time database synchronization using Firebase
- Designed responsive user interface with optimized performance using Vite build tool
- Integrated SQL database for efficient product catalog management and order processing

TerraGuard - Personal Safety Android Application December 2024 - Present
Technologies: Java, Firebase, Android Studio

- Built a comprehensive Android application designed to enhance personal safety and emergency preparedness
- Implemented real-time location tracking and emergency alert system using Firebase
- Developed intuitive user interface following Material Design guidelines
- Integrated emergency contact management and automated distress signal features

Crowd Management System (CMS) October 2024 - December 2024
Technologies: Python, YOLO11x, OpenCV, MongoDB, FastAPI

- Engineered an AI-powered crowd management solution for events and public spaces
- Implemented real-time surveillance using YOLOv1x object detection and OpenCV for video processing
- Developed safety alert mechanisms and data analytics dashboard for crowd density monitoring
- Created heatmap visualization for crowd tracking and emergency response coordination
- Built RESTful API using FastAPI for seamless integration with frontend systems

ADDITIONAL INFORMATION

Links:

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