

# Animesh Abhi Dubey

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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 YOLO11x 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:*

GitHub: [github.com/animeshd06](https://github.com/animeshd06)

LinkedIn: [linkedin.com/in/animeshdubey-06](https://www.linkedin.com/in/animeshdubey-06)