ANIL BV

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LinkedIn — GitHub — Portfolio

Profile Summary

AI-assisted Full Stack Developer with hands-on experience in building scalable web applications using React, NestJS, and MySQL. Strong foundation in RESTful API development, frontend–backend integration, and role-based authorization. Experienced in leveraging AI-assisted development tools to accelerate coding, debugging, and optimization. Passionate about automation, computer vision, and solving real-world problems through clean and modular system design.

Experience

Full Stack Developer – Student Intern   Nov 2025 – Present
Inventech Info Solutions Pvt Ltd, Bengaluru, India

- Contributing to end-to-end web application development using React and NestJS.
- Designing and implementing RESTful APIs following clean and modular architecture principles.
- Developing role-based authentication and authorization workflows for real-world applications.
- Collaborating on database design and integration using MySQL and ORM-based data handling.
- Gaining hands-on industry experience in full-stack development, API integration, and system design.

Projects

- **TaskFlow Pro – Role-Based Full Stack Application**
  Developed a scalable full stack application to manage tasks, projects, and attendance with distinct user experiences for Admin, Manager, and Employee roles. Built RESTful APIs using NestJS, implemented role-based access control, and integrated frontend–backend workflows using React. Managed persistent data using TypeORM with MySQL, focusing on clean architecture and secure authorization.

- **Real-Time USB Monitoring & Anti-Cheating Tool**
  Developed a Python-based security application to detect unauthorized USB device usage, generate real-time alerts, and maintain system activity logs to prevent data misuse and malpractice.

- **Mentor Connect – Full Stack Web Application**
  Built a mentor–student interaction platform using HTML, CSS, JavaScript, PHP, and MySQL with secure authentication, profile management, and structured communication workflows.

- **Driver Drowsiness Detection System**
  Implemented a computer vision solution using Python and OpenCV to detect eye closure and facial cues, triggering real-time alerts to reduce accident risks caused by driver fatigue.

- **Road Extraction from Satellite Images**
  Created an image processing pipeline to extract road networks from satellite imagery using computer vision techniques for GIS-based analysis.

Technical Skills

Programming: Python, JavaScript, TypeScript
Frontend: React.js, HTML5, CSS3, Tailwind CSS, shadcn/ui, React Hooks
Backend: NestJS, RESTful API Design, Authentication & Authorization, RBAC
Database & ORM: MySQL, TypeORM, Database Design, Relational Modeling
Developer Tools: Git, GitHub, VS Code, Thunder Client, MySQL Workbench
AI-Assisted Engineering: Prompt-driven development, AI-assisted debugging, code refactoring
Core Strengths: Full-stack feature development, API integration, problem solving, clean architecture

Education

B.E. in Computer Science Engineering   CGPA: 8.03
Sri Venkateshwara College of Engineering, Bengaluru

PUC – Science 75.83%
Sujala PU College, Hassan

SSLC 85.6%
Sanvi Public School, Hethur

Achievements & Certifications

- 2nd Place – IoT Workshop Competition

- Hackathon Participant – SJB Institute of Technology

- Python Programming Certification – GeeksforGeeks

- Data Visualization with Python – IBM Cognitive Classes

- Cyber Security Analyst Virtual Experience – Tata Forage

- Infosys Springboard – Technical Certifications

Languages

English, Kannada, Hindi