

Kevin Immanuel

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CAREER OBJECTIVE

Computer science fuels my curiosity. I'm a student with a knack for full-stack web development, building applications from the ground up. I'm also a hardware enthusiast, understanding the intricacies of computer systems.

WORK EXPERIENCE

Software Development Intern - Bharat Electronics Limited (BEL) Aug 2025 - Present

- Successfully automated the conversion of unstructured PDF requirements into professional software design documents with 90%+ accuracy, featuring dynamically generated architecture diagrams and comprehensive technical specifications
- Reduced manual documentation time from days to minutes while ensuring consistent, professional-quality output that meets industry standards
- Demonstrated strong full-stack development skills, AI integration capabilities, document processing expertise, and ability to deliver complete end-to-end solutions for enterprise use cases

Web Developer - Co Lead, VIKASANA Dec 2023 - Present

Student-led R&D organization focused on innovative projects, hackathons, and conducting workshops and seminars. Leading web development initiatives and mentoring team members.

PROJECTS

Automated Billing System Dec 2024 - Present

An automated solution for billing small retail shops using ML that won top 5/70 projects in university level expo. Frontend built with Raspberry Pi for image and weight input using tkinter GUI. Backend features custom-trained YOLOv8 object detection model running on FastAPI server for quick detection and scalable API operations.

PublicFundTransparency (SaaS) Apr 2025 - Present

SaaS platform to make public funds transparent to everyone. Implemented using Blockchain technology for decentralization and tamper-proof solutions ensuring accountability in public finance.

Beat Management System for State Police May 2025 - Present

Comprehensive system built using MERN stack, WebSockets and Next.js featuring SOS functionality, incident reporting, AI analytics and suggestions, and beat management. Secured top 10 among 400 teams at Presidency University hackathon.

Pet Activity Tracking Apr 2024 - Present

React-based web application integrated with Firebase Realtime Database to track pet activities and feeding status in real-time using Arduino and ESP32 microcontrollers for IoT data collection.

EDUCATION

- 2023 - 2027 Bachelor of Engineering (B.E), Computer Science & Engineering at **Presidency University**, Bangalore
- 2023 Senior Secondary (XII), CBSE Science at **Kendriya Vidyalaya No. 2**, Jalahalli East (82.00%)

SKILLS

Programming Languages	Java, Python, JavaScript, C, Go, Typescript, nodejs
Web Technologies	React, Express.js, Next.js, HTML, CSS, Vue, flask, Svelte
Databases	MongoDB, PostgreSQL, SQLite
Platforms	Shopify, WordPress, Azure
Hardware	Arduino, Raspberry Pi, ESP32
Machine Learning	YOLOv8, Object Detection, Computer Vision, Mistral Basic OCR
Other Technologies	Blockchain, Supabase Firebase, WebSockets, FastAPI, Web Sockets

EXTRACURRICULAR ACTIVITIES

Conducted multiple hackathons and workshops through college club both as volunteer and co-leader. Active participant in various hackathons with consistent top-tier performance including securing positions in university-level competitions.