Abhishek Kumar Yadav

✉ 27abhiyadav@iiitmanipur.ac.in   in linkedin.com/in/abhixh3k   ⌨ github.com/En-avii   ☎ +91 6306788045

Education

Indian Institute of Information Technology (IIIT), Manipur   *June 2026*
B.Tech in Electronics and Communication Engineering (ECE)   **Class 12 (CBSE):** 91%
Current CPI: 6.88 / 10   **Class 10 (CBSE):** 87.83%
Relevant Coursework: Data Structures and Algorithms, OOPs, Analog and Digital Electronics, Communication Systems, Control Systems, VLSI Design, DSP, Microprocessor and Microcontrollers, Embedded Systems

Skills

Programming Languages: C, C++, JavaScript, TypeScript, PHP, Verilog
Web Development: HTML, TailwindCSS, JavaScript, React, Next.js, Node.js, Express, Three.js
App Development: Kotlin, Java, Android Studio, Firebase, Jetpack Compose
Databases: MongoDB, MySQL, Firebase
Tools: Git, Docker, Postman, Figma, VS Code, Cadence, Vivado, NI Multisim, Octave
Core Concepts: Data Structures, REST APIs, Agile Methodology

Projects

MovieNest: A Movie Info Website   *Dec 2024*
Developed a responsive platform for browsing movies using the TMDb API. Includes search, trending section, and movie detail pages.
Technologies: React.js, Node.js, TMDb API
Live: aviimovienest.vercel.app

Blog Website: Short Notes Hub   *July 2024*
Built a blog platform for content creation, editing, and user management. Backend supports REST APIs and MongoDB data storage.
Technologies: React.js, Node.js, MongoDB
Live: aviidecode.vercel.app

E-gatividhi: Construction Image Monitor   *Nov 2024*
Designed an OpenCV-based platform to track construction site progress from images. Developed as part of Smart India Hackathon.
Technologies: React Native, Firebase, Python, OpenCV
Live: egatividhi.vercel.app

Portfolio Website   *Jan 2025*
Created a 3D animated portfolio using Three.js and React to showcase projects and skills.
Technologies: HTML, CSS, JS, React.js, Three.js
Live: abhixhek.vercel.app

Blockchain-Enabled Smart Home Automation   *Apr 2025*
Engineered a decentralized home automation system using IndusBoard Coin (ESP32-S2). Supports relay control, fan PWM, and real-time logs.
Technologies: ESP32-S2, Firebase, WebSockets, HTML/CSS/JS, Blockchain (testnet)
Features: Real-time monitoring, filter by time range, fault alert popup

Experience

Smart India Hackathon Finalist   *Nov 2024*
Selected among top 5 teams for problem statement by Ministry of Housing and Urban Affairs. Developed a visual system to track construction via images. Final round held at IIT Gandhinagar with 5-member team.

Achievements

- Finalist – Smart India Hackathon 2024, IIT Gandhinagar
- Completed NPTEL courses in Cyber Security and Deep Learning
- Built and deployed 5+ full-stack and embedded system projects