

Hemant Yadav

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[LinkedIn](#) • [Github](#) • [Codeforces](#) • [Leetcode](#) • [Personal Portfolio](#)



PROFESSIONAL SUMMARY

Full-stack developer with experience building responsive web apps using HTML, CSS, JavaScript, React, and modern CSS frameworks. Skilled in Python, comfortable with Java, and exploring TypeScript. Also experienced in robotics through hands-on work with microcontrollers, sensors, and embedded systems. Focused on building practical, scalable solutions that solve real problems.

EDUCATION

Bachelor of Technology (AI ML)	2024 - 2028
Newton School of Technology (ADYPU), Pune	Grade: 7.84/10.0
Bachelor of Science (Data Science)	2024 - 2028
IIT MADRAS	Grade: 6.0/10.0
Intermediate (Class XII)	2022 - 2023
Kala Vidhya Mandir Senior Secondary School	Grade: 79.0%
Matriculation (Class X)	2021 - 2022
Holy Heights Convent School	Grade: 81.0%

INTERNSHIPS

UI/UX Developer	May 2025 - July 2025
The MA Studio	Online
Worked on an AI-based recruitment platform, handling both UI/UX design and frontend development.	
<ul style="list-style-type: none">• Role: Designed and built intuitive, responsive, and functional user interfaces.• Tech Stack: HTML, CSS, React.js, Figma for wireframing, prototyping, and UI design	

PROJECTS

PyHandControl (Github) (Demo)	December 2025
<ul style="list-style-type: none">• Objectives: Gain an overview of OpenCV by building a gesture-controlled game interface.• Insights: Combo gestures (e.g., Pinky+Ring) enable complex moves like "Jump Right" effectively.• Tech Stack: Python, OpenCV, MediaPipe, PyAutoGUI, PyWebview.	
SplitBuddy (Github) (Demo)	November 2025
<ul style="list-style-type: none">• Objective: To simplify fair splitting of shared expenses for trips, parties, and group activities.• Implemented intuitive, zero-friction UX with quick entry and transparent settlements.• TechStack: React-native, js	
Sahayak - Ai Teaching assistant (Github) (Demo)	July 2025
<ul style="list-style-type: none">• Developed an AI-driven teaching assistant for multi-grade, low-resource classrooms, Implemented speech assessment, multilingual chatbot, quizzes, worksheet generator, and visual aids.• Outcome: Enabled real-time AI assistance for users coding, studying or exploring — turning the product into a usable digital helper rather than just a demo.	
VB Safety Nets (Github) (Demo)	April 2025
<ul style="list-style-type: none">• Developed a client website for safety nets using JavaScript, HTML, and CSS.• Implemented SEO optimization and professional website development best practices.	
FinTrack-Personal Expenses Tracker (Github) (Demo)	March 2025
<ul style="list-style-type: none">• Built Fintrack, a responsive web app for easy personal finance management.• Developed using React.js, HTML, CSS, with UI/UX designed in Figma.	

- Provided intuitive tools to **track expenses**, **categorize transactions**, and **visualize financial trends**.

CERTIFICATIONS

- Bhartiya Antariksh hackathon Hack 2 Skill** ([Link](#)) August 2025
Developed a web app to visualize ongoing and upcoming forest fires with prediction confidence using remote sensing, deep learning, and simulation models.
- Data Analytics Job Simulation** Forage ([Link](#)) April 2025
Completed Deloitte Australia's virtual internship program, gaining hands-on experience in data analysis and visualization.
- Introduction to Critical infrastructure protection OPSWAT** ([Link](#)) April 2025
Gained comprehensive knowledge of Critical Infrastructure Protection (CIP).
- Postman API Fundamentals Student Expert** Postman ([Link](#)) December 2024
Acquired core skills in API functionality, testing, and development using Postman.
- Solutions Architecture Job Simulation** Forage ([Link](#)) December 2024
Completed a **Solution Architecture Job Simulation** by AWS, where I designed a simple and scalable hosting architecture using Elastic Beanstalk for a client experiencing growth and slow response times.

SKILLS

Computer Languages: SQL, JavaScript, CSS, HTML, Python

Software Packages: MySQL, Express JS, OpenCV, Bootstrap, Node.js, React, Prisma ORM, React Native, Tailwind, Figma

Soft Skills: Communication Skills, Teamwork

Others: OpenAI API, Problem-Solving, UI/UX, Canva, Git and Github

EXTRA-CURRICULAR ACTIVITIES

- Contributed to open-source communities like **FOSSIA** and the **AsyncAPI**, where I raised 8 PR and out of which 2 are closed.
- **Head of Technical Team, RoboSoccer – TEKRON Fest** Led the technical team in designing and developing a robotic soccer team for a competitive event.
- **Core member** of the **Robotics LFR Workshop** at college, mentoring juniors and assisting in hands-on robotics sessions.
- As a **Campus Ambassador for Unstop**, I introduced my peers to new competitions and opportunities