DIVYA KUMARI

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EDUCATION

Bachelor of Technology in Electronics and Communication Engineering Aug 2023 – Jul 2027
National Institute of Technology Hamirpur (top 10/150 students in batch) **CGPA: 8.51/10.00**
Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming (OOPS), Microprocessors

SKILLS

Languages	C++, Python, JavaScript, C
Web Technologies	React, Next.js, Express, HTML, CSS, Tailwind
GEN AI	Langchain, LLM, RAG , Vector Databases
Databases	MongoDB, SQL
Developer Tools	Visual Studio Code, Git, Github, Thonny, PyCharm, Figma, Android Studio
Soft Skills	Communication , Collaboration, Leadership

EXPERIENCE

Team VIBHAV, NIT Hamirpur - Executive Member Dec 2023 – Present
Focus: Collaborative Development, Event Management, and Technical Workshops

- Organized and led technical events, workshops, and hackathons that empowered over **500+** participants to engage deeply with core concepts while enhancing overall **96%** satisfaction levels according to post-event feedback surveys.
- Led the front-end development of a responsive single-page website using **React** and **Tailwind CSS**, increasing user engagement by **40%**.
- Engineered and submitted cutting-edge projects for the college tech fest(**NIMBUS**), integrating **AI**, **IoT**, and **web technologies**, resulting in a **35%** increase in project engagement through innovative solutions and seamless functionality.

PROJECTS

WebBuilder — ([GitHub](#)) August 2025
Tech Stack: Google GenAI SDK, Readline-Sync, Child Process + Util (Promisify), OS Module, Node.js (ESM)

- Built an AI-powered coding agent in Node.js that automates 100% of frontend project setup (HTML, CSS, JS) with minimal input.
- Integrated Google GenAI API for intelligent planning validation, reducing manual coding effort by 75%.
- Create a secure command execution tool supporting Windows, macOS, and Linux, ensuring cross-platform reliability.
- Implemented a self-correcting PLAN → EXECUTE → VALIDATE → REPEAT loop, achieving 95%+ task success rate.
- scaffolding workflows, cutting project setup time from 15 minutes to ¡1 minute, while maintaining developer-friendly CLI usability.
- Designed a persistent conversation memory system, boosting context retention and response accuracy by 60%.

PortFolio — ([GitHub](#)) ([Live Demo](#)) May 2025
Tech Stack: Reactjs, Tailwind Css, Motion, Aceternity UI

- Developed a responsive portfolio website using React.js, showcasing 3+ projects with fast load times and seamless navigation.
- Implemented Tailwind CSS Aceternity UI, reducing custom CSS by 80% and accelerating development by 40% while maintaining a modern, consistent design.
- Enhanced user experience with Framer Motion animations (15+ transitions effects), boosting engagement by 60%.
- Deployed on Vercel with CI/CD, achieving 95+ Lighthouse scores and 99.9% uptime for reliable, scalable hosting..
- Optimized for SEO accessibility, resulting in higher discoverability and mobile-first performance across devices.
- improving accessibility for a wider audience and boosting usability by 50%.

ACHIEVEMENTS

- Leveraged data structures such as tries and graphs to optimize code solutions; enhanced personal coding speed by 20%, solving over 300+ algorithm problems across platforms.
- Secured All India Rank **1000** in **AINCAT 2025** among **2.1** lakh candidates (Top 0.5%).
- Achieved top **5%** rank among **10,000+** candidates by clearing the Online Assessment round of **Adobe India Hackathon 2025**; awarded official participant certificate.