Abhishek Kumar

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- Portfolio: https://codingadventure0.github.io/portfolio/
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Objective

Motivated and versatile **Full Stack JavaScript Developer** with a strong focus on the **MERN Stack (MongoDB, Express.js, React.js, Node.js)** and a passion for **Python programming, embedded systems, AI integration, and cybersecurity**. Known for building scalable, user-centric web applications and intelligent system automation tools. Practical knowledge in real-world development environments, strong debugging capabilities, and past experience in **basic bug bounty research**. Actively seeking challenging internship or entry-level roles to contribute, grow, and innovate.

Skills and Interests

Programming Languages	JavaScript (ES6+), Python, C++, C
Frontend Technologies	React.js, HTML5, CSS3, Bootstrap, Tailwind CSS
Backend Technologies	Node.js, Express.js, REST APIs
Database	MongoDB, SQL
UI/UX Design	Figma
Version Control System	Git, GitHub
Soft Skills	Critical thinking, Data-driven decision making, Project ownership
DevOps & Deployment	Digital Ocean, Netlify, AWS (EC2, S3), CI/CD
Bug Bounty	Cross-Domain Misconfiguration, HTML form without CSRF protection, No rate limit on sensitive endpoints (Login & Forgot Password email flooding)

Education

Government Engineering College Vaishali — Aug 2023 - Aug 2027
Bachelor of Technology in Computer Science Engineering (IoT) — CGPA: **7.9**

P.M.V.S Ramnagar — March 2023
Senior Secondary (Class XII) — **Percentage: 73.6**

Experience

Coding Club Lead| Government Engineering College Vaishali — Jan 2025 - Present
- Lead coding sessions, contests, and workshops to mentor students in problem-solving and web development.

Smart India Hackathon Finalist – 2024 — **October** 2024
- Built a scalable MERN-based alumni portal prototype for a government problem statement.

Project-Based Experience
- Developed full-stack apps (Airbnb clone, test portal, leave system) using React, Node.js, and MongoDB.

Projects

Coding Club Website (Ongoing)
- Building a MERN-based site with event posts, registration, challenges, blogs, and leaderboard to boost student engagement.

Online Test Portal *(Ongoing)*
- MERN stack exam platform with MCQs, coding, autosave, admin panel, full-screen lock, and network failure support.

Faculty Leave Management System
- Role-based MERN app for leave requests with JWT auth, email alerts, calendar view, and analytics dashboard.

Wanderlust (Airbnb Clone)
- MERN app with listing, booking, auth (Passport.js), search filters, and responsive UI using MVC structure.

GEMINI-AI Jarvis Assistant
- Python voice assistant using Gemini API, NLP, and Speech Recognition for real-time command execution.
- Features include web search, email automation, emotional responses, and multithreading (in progress).

Web Application Fuzzer
- Python security tool using Ghidra & Burp Suite to detect SQLi, XSS, CSRF, and file upload vulnerabilities in web apps.

Mars Rover Model
- ESP32-based rover with live video/photo transmission and hardware remote.
- Publicly exhibited at Patna Planetarium.

Pragyan Rover Model (Chandrayaan-3 Simulation)
- Arduino + ESP32 rover with Bluetooth control, camera, solar panel motion, and sensors.
- Demonstrated to and praised by ISRO scientists.

Multipurpose Robot Car
- Arduino-powered robot with voice, manual, obstacle, and human-following modes.
- Designed for educational and assistive use cases.

Positions of Responsibility

Coding Club Lead
Conducting regular coding sessions, contests, and workshop to mentor peers in problem-solving and development.
Technical Club Lead
Led hands-on training in Arduino and microcontrollers, guiding students in building real-world electronics projects.

Achievements

- **Smart India Hackathon Finalist (2024):** Selected for developing a web-based alumni portal for a government problem statement.
- **1st Prize – Web Development Competition:** Built a full-stack, responsive web application.
- **Hackathon Winner:** Won a college-level hackathon by creating a scalable tech solution.
- **Mars Rover Model:** Selected for public display at Patna Planetarium.

Hobbies and interest

- Passionate about coding and building innovative tech solutions through personal projects and hackathons. Enthusiastic about exploring emerging technologies like embedded systems, microcontrollers, and web development frameworks. Enjoy strategic thinking through chess and maintain mental agility and teamwork skills by playing table tennis regularly.

"Code is not just lines; it's an experience. I build code that delivers that experience."