Ayush Kumar

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SUMMARY

Passionate engineering student with strong expertise in computer science, a **versatile tech stack**, and proven **communication** and **leadership** skills. I thrive on innovation, problem-solving, and building impactful solutions that align technical development with real business needs.

WORK EXPERIENCE

Full Stack Web Developer Intern   Oct 2025 – Present
Mantrix Technologies

Worked on full-stack **MERN** development for *ArcNest* and *GraspUp*. Built responsive UIs with **React/Tailwind**, developed REST APIs using **Node.js/Express**, and handled **MongoDB** data. Collaborated through **Git/GitHub** and implemented **JWT authentication**.

PROJECTS

Arc-Nest   arc-nest.vercel.app
Full Stack | Oct 2025   *React.js | Node.js | Express.js | MongoDB | Tailwind*

- Built a habit and goal-tracking platform with **visual progress analytics** and offline support.
- Designed a **Mood Logger** and enriched Goal Planner with milestones, streaks, and priority tagging.
- Added exportable reports and **AI-based productivity insights** derived from user behavior trends.

E-PASS – Gatepass Approval System   e-gatepass.vercel.app
Full Stack | Apr 2025   *HTML | CSS | JavaScript | Node.js | Express.js | MongoDB | Socket.io*

- Real-time **TG–HOD** approval flow with **WebSocket** updates and a compact **admin dashboard**.
- **QR-based** token generation with **unique IDs**, embedded metadata, and a request-bridge workflow.
- **Time-bound auto-expiring tokens** ensuring fast, secure, and role-aware gate verification.

Voyager – Travel Discovery Platform   gowithvoyager.vercel.app
Frontend with Firebase   *HTML | Tailwind | JavaScript | React.js | Firebase | Gemini AI*

- Responsive travel interface with curated destinations and an integrated **chatbot** for user queries.
- Implemented **Firebase Auth**, cloud storage, and secure contact submission using **Web3Forms**.
- Showcased top most-preferred destinations with smooth navigation for an enhanced user experience.

KEY EXPERTISE

- **CS Fundamentals:** OOP principles, linear data structures, and core web/software engineering fundamentals (APIs, auth, networking, storage, performance, DB basics, cloud concepts).
- **Frontend:** HTML, CSS, Tailwind, React.js, Next.js, Zustand, MUI, AntD
- **Backend & Databases:** Node.js, Express.js, MongoDB, PostgreSQL
- **Languages & Tools:** Python, C++, C, Git, GitHub, Docker, Agile

TRAINING & CERTIFICATIONS

- JavaScript Programming • Python Essentials 1 & 2 • Introduction to Cybersecurity • CSS Basics • Responsive Web Design • React.js • GitHub Fundamentals • Azure Fundamentals

CO-CURRICULAR ACTIVITIES

- Qualified in **SIH 2024 (Internal Round)**, demonstrating strong problem-solving abilities.
- Participated and placed in the Top 10 at the **Samadhan 1.0 Hackathon** with tech-driven solutions.