

# Alok Pratap Singh Rathor

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📍 Delhi, India 110046

🔗 Portfolio

🌐 LinkedIn

🐙 Github



## SUMMARY

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Second-year CSE student dedicated to developing and contributing to high-impact projects, AI-driven tools, and innovative hardware systems

## EXPERIENCE

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### Junior Council Member - Core Team, Junior Council

08/2024 – 10/2025

- Organized multiple tech events and workshops.
- Contributed to group projects building highnimpact applications.
- Assisted with event logistics, technical operations, and team coordination.

## SKILLS

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- |                         |                   |              |                     |
|-------------------------|-------------------|--------------|---------------------|
| • Javascript/Typescript | • Python          | • C/C++      | • React and Next.js |
| • TailwindCSS           | • Node.js/Express | • MongoDB    | • Socket.io         |
| • Git/Github            | • Linux           | • PostgreSQL |                     |

## PROJECTS

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### Portfolio Website (Next.js + TypeScript) 🔗

12/2025

- A keyboard-first, terminal-style portfolio optimized for people who prefer command-driven navigation.
- Implemented custom command parser, shortcuts, and fast, minimal UI

### Self-Balancing Bot (ESP32 + MPU6050)

10/2025

- A two-wheel self-balancing robot using ESP32 and IMU sensor fusion.
- Implemented PID control for stability
- Used MPU6050 for orientation + velocity data

### Quizar (MERN + Socket.io) 🔗

07/2025

- A live multiplayer quiz platform supporting multiple rooms, instant scoring, and synced questions.
- Features include dynamic room creation, timer logic, and leaderboard

## EDUCATION

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### B.Tech CSE, Bhagwan Parshuram Institute of Technology

2028

GPA: CGPA: 8.

### High School Diploma Computer Science,

2024

Army Public School, Dhaula Kuan

scored 99% in Computer Science