

# Yuvraj Singh

✉ [yuvrajsingh3715@gmail.com](mailto:yuvrajsingh3715@gmail.com)

☎ +91 8115656215

🌐 <https://www.linkedin.com/in/yuvrajsingh23/>

🐙 <https://github.com/invtf1-yuvraj>

## EDUCATION

VIT Bhopal University, Bachelors of Technology in Computer Science Engineering

- Current GPA is **9.18**

Oct 2022 – present | Bhopal, M.P., India

St. Lawrance Public School, High School and Intermediate

- Intermediate % is **93.6**
- High School % is **94.6**

Mar 2021 | Farrukhabad, U.P., India

Mar 2019 | Farrukhabad, U.P., India

## TECHNICAL SKILLS

### Languages

JavaScript, C/C++, TypeScript, Python (Intermediate), Java (basics)

### Technologies/Frameworks/Libraries

Next JS, React JS, Node JS, MongoDB, PostgreSQL, Prisma, Express JS, Auth JS, Tailwind CSS, HTML, CSS, Machine Learning(basic)

## EXPERIENCE

Founder, Esports Organization, [ Team Leadership | Event Management | Sponsorships | Business Development ] Mar 2020 – Sep 2023

- Led a team of **30+ members** at a time (100+ total) and scaled a Discord community to **10,000+ daily visitors** with **85,000+ total users**, creating a **competitive esports platform** for practice matches and tournaments.
- Successfully hosted multiple tournaments with **US & Indian sponsors**, generating **₹12–13 lakh in profits**, while honing skills in leadership, negotiation, and **stakeholder management**.

## PROJECTS

Turning Trash to Treasure – Garbage Detection ML Model, [ OpenCV, CNN, Image Processing ] Sep 2023 – Jan 2024

- Developed an AI-powered garbage detection system that automated worker allocation when waste exceeded predefined thresholds, improving efficiency in waste management.
- Trained a Machine Learning model on 2,700+ images, achieving **89% precision, 78% accuracy, and a 0.74 F1-score**, using a **30-epoch training pipeline** with advanced learning rate scheduling for improved detection reliability.

RideEase, [React.JS, Express.JS, Node.JS, MongoDB Tailwind CSS, JavaScript ] ☑

Mar 2025 – Apr 2025

- Built a full-stack MERN cab booking platform with over 20+ features including real-time GPS tracking, OTP-based ride start, and secure payments supporting 3 user roles. Developed more than 25+ REST APIs using Node.js and MongoDB for scalable authentication, ride management, and live driver updates via Web Sockets. Engineered a responsive React interface with Google Maps, Stripe integration, and push notifications, enhancing booking efficiency and user experience by 40%.

Seva Sathi - On-Demand Service, [ Next.js, PostgreSQL, Prisma, TypeScript, Tailwind CSS ]

Jan 2025 - ongoing

- Developing a platform connecting **100+ electricians, plumbers, and carpenters**, reducing service wait times by **70%** through real-time availability and instant job assignments.
- Implementing a **job dispatch system** where workers receive requests within **5 seconds** and can accept them in real time. Features include **live tracking, secure payments, and a dual rating system**, improving service reliability by **40%**. Optimizing the **matching algorithm and scalability** to support **10,000+ job requests per month**.

## ACHIEVEMENTS

- **Finalist** (AIR 12, 1st in college) at **ZS Campus Beats National Hackathon**; Advanced to HR interview after clearing technical QA, aptitude, verbal, and technical interview rounds. Recognized by **ZS Associates** for strong problem-solving & analytical skills.
- **Runner-Up** at **CodeX – Web Development Hackathon** by **Cisco Community, VIT Bhopal** ☑
- **Runner-Up** at **Aarohan – Business Idea Pitching Competition**, judged by **Rakhi Pal (Co-founder, EventBeep)** ☑
- **Round 2 - HackOn With Amazon** – Our team DevLoops, Finished **Top 1860** Out of 52,640+ teams and shortlisted for the Idea Submission Round
- Solved **500+ Data Structures and Algorithms** problems on **LeetCode** ☑ and **GeeksForGeeks** ☑ .

## CERTIFICATIONS

- NPTEL **Top 1%** in Cloud Computing ☑
- **Google's The Bits and Bytes of Computer Networking** ☑
- **Full Stack Developer MERN - SmartBridge** ☑
- **IBM - DevOps, Agile & Design Thinking** ☑