

Piyush Raj

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EDUCATION

Dr.D.Y. Patil Institute of Technology

Pune, India
Aug 2022 - Aug 2026

SKILLS

- **Languages:** java, Javascript, Typescript, Python
- **Libraries & Frameworks:** HTML, CSS, React, Tailwind CSS, Nodejs, Express.js, JWT, Prisma ORM
- **Database Management:** MongoDB, Postgress
- **Tools:** Git, Github, VSCode, Postman, Vercel

WORK EXPERIENCE

Internship at Electric Loco Shed, Indian Railways

01/2025 - 02/2025

I was assigned to the maintenance and repairs of the Electric Locomotives in general.

Gained valuable insights into the ongoing project KAVACH (It is an indigenous Automatic Train Protection (ATP) system developed by Indian Railways to enhance train safety by preventing collisions, ensuring speed control, and protecting lives.)

PROJECTS

Accident Safety Project

Developed an IR sensor-based system to detect obstacles and predict collisions, integrating real-time environmental sensing with predictive algorithms to trigger emergency braking in vehicles

Eseek - Currently building

Currently working on a app that may turn into a startup

This app is for esport - teams/ players to find fellow players/ teams for playing tournaments and official events in the respective E-game. The goal is to make a platform so that the recruiters wont have to look into Instagram/ Discord or any other platforms and it will be a one-stop solution.

INTERESTS

- Photography
- Video - Editing
- Listening Podcasts