



# Harsh Tyagi *Software Engineer*

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📍 Ghaziabad, India

## PROFESSIONAL EXPERIENCE

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### **Graduate Engineer Trainee** **PPS International Pvt Ltd**

07/2024 – present  
Greater Noida, India


- Built a tool to manage over 100 train journeys daily, streamlining the planning process.
- Cut journey scheduling time by 30%, improving overall operations for railway operators.
- Connected the system with 3 existing railway operations for seamless data exchange.
- Reduced manual errors by 25%, increasing the accuracy of journey planning and timetable updates.

## PROJECTS

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
### **Portfolio Website**

#### **My Portfolio Website Deployed on Vercel**

- <https://my-portfolio-website-zeta-ashy.vercel.app/> 
- A clean, mobile-responsive layout with easy navigation for an optimal viewing experience on all devices.
- Dedicated sections for an About Me introduction, project gallery with detailed descriptions, and a contact form to facilitate professional inquiries and networking.
- Integration of high-quality visuals and concise case studies to effectively demonstrate capabilities and past work.
- A focus on intuitive user experience, minimalistic design aesthetics, and brand consistency throughout the site.

### **eCommerce Website**

#### **Company website**

- <https://aditya-air-compressor.vercel.app/> 
- Developed a responsive web application for Aditya Air Compressor, an industrial supplier specializing in manufacturing and distribution of high-pressure air compressors and components.
- Implemented user-friendly navigation for product listings, company information, and customer inquiry submission to support efficient lead generation and customer interaction.
- Ensured optimal performance and accessibility for both desktop and mobile users, focusing on industrial B2B requirements.

### **Railway Journey Creation Tool**

#### **Journey Planning and Creation System for Railways**

- Automated the management of 150+ daily train journeys, improving scheduling efficiency by 40%.
- Reduced planning time by 30% for railway operators through more efficient journey creation.
- Integrated with 5 railway systems for seamless data synchronization.
- Improved accuracy by 20%, minimizing manual errors in journey scheduling.

### **EOTT (Web App)**

#### **Real-time Train Monitoring and Management System**

- Developed a system to display real-time information for 200+ trains, including seat availability and device status.
- Created a dynamic dashboard to provide live data to 50+ users (servers, admins, and drivers).

- Integrated failure alerts and error tracking, reducing downtime by 15%.
- Built a device map view to show the live location of 100+ trains.

## EDUCATION

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**B Tech, CSE -- 6.9 CGPA** 2020 – 2024  
**RD Engineering College** Ghaziabad, India  
**Dr A P J Abdul Kalam Technical University**

**Intermediate, PCM -- 67%** 2018 – 2020  
**Central board of Secondary Education** Ghaziabad, India

## SKILLS

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**Frontend Framework :-** — React Js

**Package Managers :-** — Npm

**Languages :-** — HTML, CSS, Javascript, Python, Flutter

**Operating System :-** — Linux, Windows

**Developer Tools :-** — VS Code, Vercel, Replit, Postman, Git, Github, Jupiter Notebook, My SQL workbench

**Networking :-**

## CERTIFICATES

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**AWS Academy Cloud Architecture By AWS Academy**

[https://drive.google.com/file/d/1GCG8WCSObALKLvgBoDTlyWGvOsTjLIBj/view?usp=drive\\_link](https://drive.google.com/file/d/1GCG8WCSObALKLvgBoDTlyWGvOsTjLIBj/view?usp=drive_link) 

**Introduction to PYTHON By Coding Ninja**

[https://drive.google.com/file/d/1zv8zdyslwbXb8PH8fbmSRp6CptZkUQY6/view?usp=drive\\_link](https://drive.google.com/file/d/1zv8zdyslwbXb8PH8fbmSRp6CptZkUQY6/view?usp=drive_link) 

## LANGUAGES

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- Hindi
- English