Harsh Tyagi

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💼 Professional Experience

Graduate Engineer Trainee   07/2024 – 07/2025
PPS International Pvt Ltd , Greater Noida, India
Jul 2024 –jul 2025
Automated the management of 150+ daily train journeys, improving
scheduling efficiency by 30%.
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.

📂 Projects

Portfolio Website – Live Demo ⧉
Designed and deployed a **mobile-responsive portfolio** with optimized navigation.
Showcased professional projects using **clean UI, brand consistency, and case studies**.

Python Projects – Live Demo ⧉
Developed an interactive Python-based Number Guessing Game featuring random number
generation, input validation, dynamic feedback, limited attempts, and replay functionality,
applying clean code practices and version control for maintainability.

ASP.NET Web API Test Project - Live Demo ⧉
Developed an ASP.NET ⧉ **MVC Web API** to test API architecture and data fetching, applying
Clean Architecture principles with structured Controllers, Data, and Models layers for scalability,
maintainability, and ease of extension.

Railway Journey Creation Tool

Automated **150+ daily train journeys**, integrating with **5 railway systems**.
Improved accuracy by **20%** and reduced planning time by **30%**.

🎓 Education

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

Intermediate (PCM) – 67%   Ghaziabad, India
Central Board of Secondary Education | 2018 – 2020

🧠 Skills

Frontend: React.js, HTML5, CSS3, JavaScript, Flutter

Backend: ASP.NET MVC, Node.js, Express.js, Python, C#

Databases: MySQL, MongoDB

Cloud & Deployment: AWS, Vercel, Linux

Tools & Platforms: Git, GitHub, VS Code, Postman, Jupyter Notebook, MySQL Workbench

Other: REST API Development, Agile Methodology, Version Control, Cross-Platform Development

📄 Certificates

AWS Academy Cloud Architecture – AWS Certified Cloud Practitioner (AWS Academy)
https://drive.google.com/file/d/1GCG8WCSObALKLvgBoDTlyWGvOsTjLlBj/view?usp=drive_link ⧉

Introduction to Python – Python Programming Certification (Coding Ninjas)
https://drive.google.com/file/d/1zv8zdysIwBXb8PH8fbmSRp6CptZkUQY6/view?usp=drive_link ⧉

🌐 Languages

English (Professional) | Hindi (Professional)