

PIYUSH SINGH

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🐙 Github

🌐 LinkedIn

🌐 Portfolio

INTERNSHIP

Infosys Springboard internship

Aug 2025 - Present

- Built an AI-based Real Estate Valuation System using Python and supervised ML, achieving $R^2 = 0.99$ through robust preprocessing (2,000+ records), feature engineering, and model optimization (Gradient Boosting, Random Forest).
- Developed an interactive Streamlit web app integrating Comparative Market Analysis, price trend visualization, and a rule-based chatbot for user-friendly insights.
- Collaborated in a team environment, delivering all project phases while gaining hands-on experience with Scikit-learn, Pandas, NumPy, Matplotlib, and Streamlit.

PROJECTS

Horizon - Code Editor

[Github](#) | [Live](#) | [Video](#)

- Built a web platform that allows users to write, execute, and share code snippets in 10+ programming languages with real-time output and history tracking.
- Implemented JWT-based authentication, profile management, and snippet starring & deletion using Django REST Framework and React.
- Utilized Zustand for efficient global state management, TailwindCSS + DaisyUI for a modern UI, and deployed the application on Render with a PostgreSQL database backend.
- **Tech Stack:** React, Django, Zustand, DaisyUI, JWT, RESTful APIs, Piston API, Monaco-editor

TeleMed+

[Github](#) | [Live](#) | [Video](#)

- Built a MERN stack telemedicine platform with secure authentication, role-based access (Patient, Doctor, Admin), JWT authorization, and i18n-based multilingual support.
- Developed modules for profile management, appointment scheduling, medicine management, and smooth i18n integration for scalable multilingual user experience.
- Integrated video conferencing using Jitsi.org and an AI-powered symptom checker for preliminary consultations.
- **Tech Stack:** React, Node.js, Express, Jitsi, MongoDB, Zustand, DaisyUI, JWT, RESTful APIs

Omni.ai

[Github](#) | [Live](#) | [Video](#)

- Built a PERN stack SaaS platform with authentication (clerk), subscription billing and NEON serverless PostgreSQL.
- Integrated AI-powered tools (article/blog title generator, image generator, image background/object remover, resume analyzer)
- Designed scalable architecture ensuring premium features access, seamless UX, and extensibility.
- **Tech Stack:** React, Node.js, Express, PostgreSQL, Clerk, Cloudinary, TailwindCSS

TECHNICAL SKILLS

- **Language:** Java, Python, C, JavaScript.
- **CS fundamentals:** Data Structure & Algorithm, OOPs, DBMS, Operating System.
- **Web Development:** React.js, Next.js, Node.js, Express, django, Spring Boot, TailwindCSS.
- **Databases:** MongoDB, MySQL.
- **Tools & Platforms:** Git, Github, Postman, Render, Docker.

EDUCATION

Bachelor of Technology (CSE) - 8.8 CGPA

Sep 2023 - Present

Babu Banarasi Das Northern India Institute of Technology, Lucknow, Uttar Pradesh

Intermediate School (CBSE) - 93.2%

April 2021 - June 2022

Rani Laxmi Bai Memorial Public School, Lucknow, Uttar Pradesh