

Rohit Pal

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PROFESSIONAL SUMMARY

Full-stack Developer (MERN) experienced in building **scalable web apps** and deploying **deep learning models** using **TensorFlow** and **Flask**. Delivered projects with **secure authentication**, **optimized performance**, and **responsive UIs**. Solved **500+ LeetCode problems** in **C++**, demonstrating proficiency in **data structures and algorithms**.

EDUCATION

B.Tech CSE (AI & ML) | Galgotias University, Greater Noida | CGPA: 8.42

| June 2026

SKILLS

Technical Skills- Programming Languages: C++23, C, Python (3.12), JavaScript (ES13), TypeScript (5.4)

- Web Technologies:** HTML, CSS, JavaScript, ReactJS (19.0), Node.js (20.x), Next.js (14), Tailwind, Bootstrap, Material UI, ShadCN, Express, Django
- Databases:** MongoDB, Convex
- Tools & Frameworks:** Git, GitHub, Socket.io, Docker

Collaborative Skills: Led team-based projects, presented findings to mentors, and delivered within deadlines.

WORK EXPERIENCE

IBM SkillsBuild & CSRBOX Academic Internship | Data Analyst | 6 weeks

- Analyzed social impact data using Excel and Python (Pandas, Matplotlib) with EDA and data cleaning.
- Improved CSR reporting accuracy by 20% by identifying key metrics with team-driven data analysis.
- Presented final project to mentors, showcasing analytical findings and actionable recommendations.

PROJECTS

Plant Disease Detection | React | Tailwind | Flask | TensorFlow | Flask-CORS | CNN Architecture

| June 2025

- Designed a web app to detect 15+ plant diseases from leaf images with 90% validation accuracy.
- Trained a MobileNetV2 model on PlantVillage with <2s inference and real-time treatment suggestions.
- Deployed a 14MB model with responsive UI, RESTful API, and confidence-based prediction feedback.

Realtime Chat App | React, Tailwind CSS, Socket.IO, Node, Express, MongoDB, Cloudinary, Bcryptjs

| April 2025

- Built a full-stack chat app supporting 100+ concurrent users with 99.9% uptime and real-time messaging.
- Enhanced frontend performance using Zustand (40% fewer re-renders) and secured sessions with JWT auth.
- Deployed a scalable backend with REST APIs and Cloudinary-based image uploads (60% storage savings).

Notebook Application | ReactJs, ReduxToolkit, Axios, Tailwind, Node, Express, MongoDB, Bcryptjs, JWT

| March 2025

- Built a full-stack Task Manager with MERN stack, JWT auth, and responsive Tailwind UI.
- Integrated Redux for state management and real-time task stats with category filters.
- Developed secure REST APIs with bcrypt, JWT, and protected routes for task operations.

CERTIFICATIONS

- Certified in Software Engineering** through NPTEL (IIT) with foundational and applied concepts | Oct 2024
- Completed AI & ML** certification from AWS Academy, covering core machine learning workflows | Sep 2023

ACHIEVEMENTS

- Completed **500+ LeetCode challenges** in **C++** across a **280-day streak**, showcasing proficiency in **DSA** and **algorithmic thinking**.
- Achieved 3-Star rank** on **GeeksforGeeks (GFG)** through regular participation and completion of **DSA challenges**.