

Rohit Pal

Full-Stack Developer — AI/ML Engineer

📍 Greater Noida ✉ rp2012946@gmail.com ☎ 6306391575
🔗 [LinkedIn](#) 🐙 [GitHub](#) </> [LeetCode](#) 🌐 [Portfolio](#)

Professional Summary

Full-Stack Developer (MERN) with experience in deploying production AI/ML solutions and low-latency real-time systems. Delivered multiple customer-facing apps with strong performance and reliability; Strong algorithm background with 500+ LeetCode problems solved.

Core Competencies

- | | | |
|--------------------------|----------------------------|--------------------------------|
| • Full-Stack Development | • Machine Learning/AI | • RESTful APIs |
| • Real-time Applications | • Cloud Deployment | • Database Design |
| • Agile Development | • Performance Optimization | • Data Structures & Algorithms |

Technical Skills

- **Languages:** C++ (Advanced), JavaScript/TypeScript (Proficient), Python (Proficient), C
- **Frontend:** React, Next.js, Redux, Tailwind CSS, Material UI, HTML5/CSS3, Responsive Design
- **Backend:** Node.js, Express.js, Django, REST APIs, Socket.IO, JWT Authentication
- **AI/ML:** TensorFlow, PyTorch, CNNs, Flask, Model Deployment, Computer Vision
- **Database & Tools:** MongoDB, Convex, Git, Docker, CI/CD, Agile/Scrum

Professional Experience

Data Analyst Intern

IBM SkillsBuild & CSRBOX (6 weeks)

Academic Internship Program

2024

- Analyzed 10,000+ social impact data points using Python (Pandas, Matplotlib), reducing processing time by 35%
- Improved CSR reporting accuracy by 20% through implementation of automated data validation pipelines
- Delivered executive presentation showcasing 5 actionable insights, 3 adopted for quarterly tracking

Technical Projects

Plant Disease Detection System

June 2025

React, Flask, TensorFlow, CNN [Code](#) [Live Demo](#)

- Engineered ML web app detecting 15+ plant diseases (90%); MobileNetV2 — 14 MB, <2s inference; 500+ monthly users.
- Deployed RESTful API handling 1k+ daily predictions with real-time treatment recommendations.

Real-time Chat Application

April 2025

MERN Stack, Socket.IO, JWT [Code](#) [Live Demo](#)

- Built scalable chat platform supporting 100+ concurrent users with 99.9% uptime and <100 ms latency.
- Reduced re-renders 40% (Zustand); added JWT auth & Cloudinary — cut storage 60% and enabled encrypted messaging.

Task Management System

March 2025

React, Redux Toolkit, Node.js, MongoDB [Code](#) [Live Demo](#)

- Developed a full-stack productivity app with live analytics (10+ KPIs); 100% responsive and 4.5+ rating.
- Architected secure REST APIs with bcrypt hashing and role-based access control (RBAC).

Education

B.Tech in Computer Science & Engineering (AI & ML Specialization)

Expected June 2026

Galgotias University, Greater Noida

CGPA: 8.37/10

Achievements & Certifications

- **Competitive Programming:** 500+ LeetCode problems solved (Top 15%), 280-day streak, 3-Star GeeksforGeeks
- **Software Engineering** - NPTEL IIT Certification: SDLC, Agile, Testing (Oct 2024)
- **AI & Machine Learning** - AWS Academy: ML workflows, cloud deployment (Sep 2023)