Prateek Singh

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About Me

I am currently a Pre-Final year Computer Science undergraduate at IIIT Nagpur, specializing in Artificial Intelligence and Machine Learning. Interested in backend development with Django and applying ML models to solve real-world problems. Currently exploring cybersecurity. Always open to new challenges that broaden understanding.

Education

Indian Institute of Information Technology	Nagpur, Maharashtra
B.Tech. Computer Science & Engineering (AI & ML)	*Aug. 2023 – June 2027*
Kiddy's Corner School	Gwalior, MP
Higher Secondary Education	*2020 – 2022*
St. Paul's School	Gwalior, MP
Secondary Education	*2010 – 2020*

Projects

FarmAssist - Agriculture Support Web App
– Designed a farmer-focused platform integrating a CNN model to detect plant diseases via image uploads. Added real-time weather and government subsidy updates related to agriculture.

MindWell - Psychology Support Website
– Developing a web platform aimed at improving mental well-being by providing psychology-based resources, self-assessment tools, and guided practices.
– Implemented user authentication, session tracking, and journaling features to help users monitor mood and progress.
– Integrated scalable backend (Django/Flask) with support for interactive chat modules and planned AI-driven recommendation system for therapy exercises.

Visitor Management System (Backend)
– Developed backend services in Django to track visitor entries/exits with secure authentication and admin dashboard.

Medicine Recommendation System
– Built a machine learning model to suggest medicines based on symptoms using classification techniques and user-friendly forms.

Achievements

Finalist – Hackwise Hackathon, IIM Indore (Selected among top campus teams, advanced to final DSA + prototype round).

Prototype Selection – Walmart Sparkathon (Shortlisted for innovative solution design in AI/ML track).

Secured 3rd Position – Coding Challenge, NIT Bhopal (solved algorithmic problems under timed constraints).

Experience & Activities

Campus Finalist – Hackwise Hackathon, IIM Indore (Qualified for DSA round, contributed to rapid prototyping and solution presentation).

Hospitality Team Member – Tantrafiesta (IIIT Nagpur tech fest; managed participant coordination, event management, and hospitality logistics).

Content and Anchoring Member – Orator Club, IIIT Nagpur (enhanced communication and public speaking skills).

⚒ TECHNICAL SKILLS

Machine Learning: Scikit-learn, Pandas, NumPy
Deep Learning: TensorFlow, Keras, Pytorch
Web Development: Django, Django REST Framework, HTML, CSS
Backend & APIs: REST APIs,Fastapi, database integration
Cybersecurity: Basics of network security, ethical hacking (learning stage)

★ INTERESTS

Reading Books, Cricket, Guitar