

Ayush Mishra

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EDUCATION

Pranveer Singh Institute Of Technology
B.Tech, Computer Science Engineering (Data Science)
DPVN, CBSE Board
Senior Secondary (Class 12) & Secondary (Class 10)

Kanpur, India
Dec. 2022 – July 2026
Kanpur, India
July 2022

SUMMARY

AI & ML Specialist with expertise in Machine Learning, Data Science, and Backend Development. Skilled in building intelligent, data-driven applications and real-time prediction systems. Experienced with backend technologies like Node.js, Express.js, and MongoDB to develop scalable, high-performance solutions.

TECHNICAL SKILLS

Languages: C/C++, Python(OOP)
AI/ML: TensorFlow, EDA, Scikit-learn, NLP, Generative AI
Data Analysis: Pandas, NumPy, Matplotlib, Seaborn, Excel
Web/Backend: Node.js, Express.js, MongoDB, REST APIs, Postman
Tools: Git, GitHub, Jupyter, VS Code, A/B Testing
Coursework: DSA, DBMS, OS, Cloud Computing

PROJECTS

- MediScanAI – AI Medical Diagnostic App** | *TensorFlow, OpenCV, CNN, ML* Jan. 2025 [Link](#)
- Processed 10,000+ medical images with CNN, enabling accurate diagnosis with more than 30% latency.
 - Collaborated with ML engineers to enhance real-time predictions using distributed computing.
 - Integrated Maps API to locate 1,000+ doctors and medical stores, reducing user search time by 80%.
 - Built mental health tool analyzing 5,000+ survey responses; 90% accurate recommendations.
- Venture Nest** | *React.js, Node.js, MongoDB, Express.js, JWT, Google OAuth* Working 2025 [Link](#)
- Built a full-featured startup platform with 6 integrated modules: Startup Guide, Job Board, Project Marketplace, AI Coach, Community Hub, and Tech Trends Dashboard
 - Designed a scalable MERN stack architecture supporting 5,000+ concurrent users using modular microservices and API-driven data flow
 - Built a live Tech Trends Dashboard using APIs and web scraping to track 50+ emerging technologies and industry shifts.
- Discover Beyond** | *HTML, CSS, JavaScript, Node.js, MongoDB, Machine Learning* Sept. 2024 [Link](#)
- Spearheaded the development of an AI-powered travel recommendation platform, leveraging Machine Learning algorithms to analyze 10,000+ user profiles and deliver personalized vacation suggestions with 95% accuracy.
 - Engineered a responsive, cross-device compatible UI using HTML, CSS, and JavaScript, enhancing user engagement and retention by 40%.
 - Optimized visual appeal by integrating high-resolution destination images, improving user interaction rates by 30%.

CERTIFICATIONS & ACHIEVEMENTS

Top 3% on LeetCode (600+ problems solved) [Link](#)
Certified in Data Science & ML – Hunar Intern
5-Star HackerRank Problem Solving [Link](#)
Google: Foundations of Data, Data Everywhere – Coursera [Link](#)
Meta: Front-End Development – Coursera [Link](#)
Digital Skills: Web Analytics – Accenture, Future Learn [Link](#)