

Ayush Mishra

+91-6392669916 | mishra108ayush@gmail.com | linkedin.com/in/ayush-mishra032/ | github.com/ayush07mishra | [Portfolio](#)

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](#)

- Currently developing a full-featured startup support platform with 6 integrated modules: Startup Guide, Job Board, Project Marketplace, AI Coach, Community Hub, and Tech Trends Dashboard.
- Building the platform using the MERN stack with a focus on scalability and modular design
- Learning and applying concepts like microservices, real-time data handling, and efficient backend/frontend integration.

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

Google: Foundations of Data, Data Everywhere – Coursera [Link](#)

Meta: Front-End Development – Coursera [Link](#)

Digital Skills: Web Analytics – Accenture, Future Learn [Link](#)

JP Morgan: Software Engineering Job Simulation – Forage [Link](#)

ACHIEVEMENTS

Top 3% on LeetCode (650+ problems solved) [Link](#)

5-Star in Problem Solving on HackerRank [Link](#)

Certified in Data Science & Machine Learning from Hunar Intern program

Completed 5+ end-to-end ML projects, from model training to deployment using Flask/FastAPI