# MAYANK PANDEY

## Software Engineer / AI Developer

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🌐 Portfolio    📍 Kanpur

## SUMMARY

I am a motivated and enthusiastic computer science undergraduate with a strong foundation in software development, data structures, and algorithms. I possess skills in Python, C++, Java, and modern web technologies. Eager to apply my technical and analytical abilities in a collaborative environment, I aim to contribute meaningfully to innovative software solutions.

*Targeting: Software Engineer / AI-Machine Learning Intern / Backend Developer roles*

## TECHNICAL PROFILE

- Solved 700+ DSA problems across LeetCode, GFG, and HackerRank.
- Maintained daily problem-solving streak since September 2024.
- Strong grasp of full-stack development, backend APIs, and scalable systems.
- Applied supervised learning, model evaluation, and deployment techniques in practical AI/ML projects.

## EDUCATION

**Bachelor of Technology**, PSIT Kanpur
📅 08/2022 – 05/2026    📍 Kanpur

**Relevant Coursework:**

- DSA, Operating Systems, DBMS
- AI, Machine Learning, Deep Learning, NLP
- Computer Vision, OOPs in Java, CN, Software Engineering
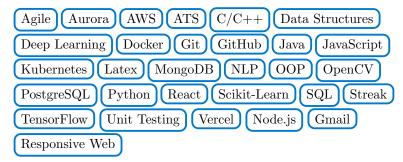- Web Development

**12th Grade**, K. R. Education Centre
📅 04/2020 – 04/2021    📍 Kanpur

## KEY ACHIEVEMENTS

✔ **Problem Solving Prowess** — Solved 700+ DSA problems, showcasing strong understanding of software development.

💼 **Job Simulation Success** — Completed job simulations at Deloitte and Accenture on Forage.

## SKILLS

Agile · Aurora · AWS · ATS · C/C++ · Data Structures · Deep Learning · Docker · Git · GitHub · Java · JavaScript · Kubernetes · Latex · MongoDB · NLP · OOP · OpenCV · PostgreSQL · Python · React · Scikit-Learn · SQL · Streak · TensorFlow · Unit Testing · Vercel · Node.js · Gmail · Responsive Web

## SOFT SKILLS

Communication · Teamwork · Time Management · Leadership

## LANGUAGES

English – Professional · Hindi - Native

## CERTIFICATION

- **Advanced SQL** – HackerRank
- **Problem Solving (Intermediate)** – HackerRank
- **Node.js (Intermediate)** – HackerRank
- **Java (Basic)** – HackerRank
- **DSA Prep Foundation** – codedamn
- **AWS Aurora Migration** – Infosys Springboard
- **Responsive Web Design** – FreeCodeCamp
- **Basics of DSA** – Simplilearn
- **Advanced DSA** – Infosys Springboard
- **Deloitte Tech Simulation** - Forage
- **Accenture SE Simulation** - Forage
- **Git and GitHub** – Infosys Springboard

## PROJECTS

### Hand Gesture Image Recognition System

📅 05/2023   📍 Kanpur

- Engineered a real-time hand gesture classification system using OpenCV & TensorFlow, achieving 95%+ accuracy for live camera input.
- *Tech Stack:* Python, OpenCV, TensorFlow

### UMAAS - A Weather Prediction Model

📅 02/2024   📍 Kanpur

- Built a weather prediction pipeline using scikit-learn and regression modeling; improved forecast accuracy by 20% via feature engineering.
- *Tech Stack:* Python, Scikit-learn, Pandas, Matplotlib

## EXTRA-CURRICULAR ACTIVITIES

- **Brand Ambassador, Internshala @ PSIT** – Promoted awareness and engagement for internships and learning opportunities on campus.
- **Volunteer, ICCNSML Conference @ PSIT** – Assisted in organizing events and workshops on Cryptology and Machine Learning.
- **Deloitte Tech Simulation (Forage)** – Completed real-world tasks like data analysis and proposal writing using Excel and Word.
- **Accenture Nordic SE Simulation (Forage)** – Participated in agile sprint activities involving unit testing, debugging, and stakeholder communication.