Pankaj Kumar Jaiswal

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Education

National Institute of Technology Delhi (NIT Delhi) — New Delhi, India
B.Tech in Computer Science and Engineering — Aug 2023 – May 2027 (Expected)
HopeHall Foundation School, New Delhi — 2022 – Class XII – 90%
S.B.P Vidya Vihar, Bounsi, Bihar — 2020 – Class X – 91%

Technical Skills

Web Development:	React, TypeScript, Node.js, Express, MongoDB, MySQL, TailwindCSS, Angular
AI/ML & Deep Learning:	Big Data,Hadoop,TensorFlow, Scikit-Learn, NumPy, Pandas, Matplotlib
Languages:	C, C++, Python, JavaScript, HTML, CSS
DevOps & Cloud:	Docker,AWS, Firebase, GitHub Actions, GitLab CI/CD
Tools:	Git, GitHub, Figma, Postman
CS Fundamentals:	Data Structures and Algorithms, OOPS, Operating System, DBMS, Computer Networks

Projects

Pink Island – E-commerce Website — React, Firebase, Tailwind Live— GitHub

- Engineered a **scalable e-commerce platform** with **Firebase authentication**, **cart management**, and **role-based admin tools**.
- Optimized product loading speed by **30%** using **Firestore indexing** and **lazy loading**.
- Designed and implemented a **mobile-first UI/UX** with **TailwindCSS**,increasing cross-device engagement by 25%.

Monexa – Business Manager App — React, Node.js, MongoDB, JWT Live — GitHub

- Built a **full-stack business manager platform** handling **1000+ employees, customers, and products**.
- Implemented secure **JWT authentication** with **role-based access**, ensuring **100% data protection**.
- Developed analytics dashboard tracking **total revenue, customer trends, and product performance**,improving reporting efficiency by **40%**.
- Optimized **MongoDB queries** and **Node.js API responses**, reducing data retrieval time by **25%**.

AI-based Movie Recommendation System — Python, Scikit-learn, Gradio Live— GitHub

- Built a **content-based recommendation system** using **TF-IDF vectorization** and **cosine similarity** on **10k+ movies dataset**.
- Engineered interactive pipeline to generate **personalized movie suggestions in ¡1s**.
- Deployed seamlessly on **Hugging Face Spaces** with a **Gradio-powered web UI**.

Experiences

Executive Member, Bureau of Indian Standards (BIS) — Mar 2024 – Feb 2025

- Led 2+ technical workshops on quality, safety, and standardization practices, engaging 200+ participants and improving awareness of compliance frameworks.
- Collaborated with 5+ industry experts and peers to design consumer safety guidelines, ensuring adoption of compliance standards by 80+ students.

National Service Scheme (NSS), Member — Sept 2023 – Present

- Contributed 50+ volunteer hours across community service programs, health camps, and rural development initiatives, impacting 300+ beneficiaries.
- Coordinated outreach programs benefiting **500+ participants**, fostering leadership and teamwork.

Coursework

- Data Structures & Algorithms
- Database Management Systems
- Computer Networks
- Artificial Intelligence
- Machine Learning
- Quantum Computing

Achievements & Certifications

- Certified in **OCI Generative AI Professional (2025)**, showcasing expertise in AI model deployment on cloud.
- Earned **Oracle AI Foundations** certification, demonstrating proficiency in machine learning applications.
- Earned **Oracle Data Science** certification, demonstrating proficiency in field of data science.
- Achieved **Cisco Cybersecurity** certification, validating strong knowledge of network security practices.
- Ranked among the **Top 3% in JEE Main** among 1.2M+ candidates.