

Pankaj Kumar Jaiswal

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Education

National Institute of Technology Delhi (NIT Delhi)

B.Tech in Computer Science and Engineering

HopeHall Foundation School, New Delhi

S.B.P Vidya Vihar, Bounsi, Bihar

New Delhi, India

Aug 2023 – May 2027 (Expected)

Class XII – 90% (2022)

Class X – 91% (2020)

Technical Skills

AI/ML & Deep Learning:	Neural Networks (ANN, CNN, RNN), NLP, TensorFlow, Scikit-Learn, NumPy, Pandas, Matplotlib
Web Development:	React, TypeScript, Node.js, Express, MongoDB, MySQL, Firebase, Vite, TailwindCSS, REST APIs
Languages:	C, C++, Python, JavaScript, HTML, CSS
DevOps & Cloud:	Docker, Kubernetes, GitHub Actions, GitLab CI/CD
Tools:	Git, GitHub, Figma, Postman
CS Fundamentals:	Data Structures and Algorithms, OOPS, Operating Systems, DBMS, Computer Networks

Projects

Pink Island – E-commerce Website — React, Firebase, Tailwind [Live](#)

- Engineered a **scalable e-commerce platform** with authentication, cart management, and role-based admin tools.
- Optimized product loading speed by **30% using Firestore indexing and lazy loading**.
- Designed a **mobile-first, premium UI/UX** with TailwindCSS, boosting engagement across devices.

Invoice Generator Dashboard — React, MongoDB, Node.js [Live](#)

- Built a **cross-platform invoice dashboard** with automated bill generation and customer record tracking.
- Improved **workflow efficiency by 38%** via preference-based allocation and dynamic PDF exports.
- Automated deployments with **CI/CD pipeline**, ensuring zero downtime and faster release cycles.

AI-based Movie Recommendation System — Python, Scikit-learn, Gradio [Live](#)

- 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 real-time**.
- Deployed seamlessly on Hugging Face Spaces with a **Gradio-powered web UI** for easy user interaction.

Experiences

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

- Organized sessions and workshops to promote **quality, safety, and standardization practices**.
- Collaborated with peers and industry experts to strengthen **consumer safety and compliance**.
- Represented NIT Delhi in BIS student chapter activities, expanding outreach and impact.

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

- Participated in **community service programs, health camps, and rural development initiatives**.
- Conducted awareness campaigns on **digital literacy, environmental protection, and public welfare**.
- Coordinated outreach programs benefiting **500+ participants**, fostering leadership and teamwork.

Coursework

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|--------------------------------|---------------------------|-------------------------|
| • Data Structures & Algorithms | • Computer Networks | • Operating System |
| • Database Management Systems | • Artificial Intelligence | • Software Engineering |
| • System Programming | • Machine Learning | • Theory Of Computation |

Achievements & Certifications

- Awarded **Cisco Introduction to Cybersecurity Certification** (2025).
- Awarded **Oracle AI Foundations Certification** for AI fundamentals and practical knowledge.
- Completed and Certified **OCI Generative AI Professional(2025)**.
- Ranked among the **Top 3 students in school (Class X)**
- Scored **99/100 in Mathematics (Class X)** demonstrating academic excellence.
- Secured top **3% in JEE Main** among 1.2M+ candidates.