

# PANKAJ MISHRA

Email: [p.m.pankajmishra7647@gmail.com](mailto:p.m.pankajmishra7647@gmail.com)

Phone: +91 93270 43930

GitHub: [github.com/ParulUniversityMishraPankajKumar](https://github.com/ParulUniversityMishraPankajKumar)

LinkedIn: [linkedin.com/in/pankajkumar-shree-ravindranath-mishra](https://www.linkedin.com/in/pankajkumar-shree-ravindranath-mishra)

Portfolio: [paruluniversitymishrapankajkumar.github.io/Portfolio/](https://paruluniversitymishrapankajkumar.github.io/Portfolio/)

## PROFESSIONAL SUMMARY

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Passionate AI/ML learner with hands-on experience in building smart applications and websites. Skilled in Python, Java, and tools like TensorFlow, PyTorch, and OpenCV. Strong understanding of data structures and problem-solving. Looking for an opportunity to work in AI, machine learning, or computer vision roles.

## TARGET JOB TITLES

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AI/ML Engineer Intern • Applied Scientist Intern • Software Engineer - AI • Computer Vision Developer

## EDUCATION

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**Parul University, Gujarat**

*(Pursuing)*

MCA in Artificial Intelligence

CGPA: 8.77 (Sem 1), 8.52 (Sem 2)

## RELEVANT COURSEWORK

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Machine Learning • Deep Learning • Data Structures • Computer Vision • Operating Systems • AI • Software Engineering

## EXPERIENCE

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**Freelance Developer (Academic Projects)**

*Present*

- Built full-stack websites using HTML, CSS, JavaScript, and Firebase.
- Developed AI-based tools, including an astrology system using NLP.

**Hackathon Participant (Parul University, Smart India Vadodara Hackathons)**

- Built AI-based prototypes in 36-hour coding challenges.
- Demonstrated live AI project demos and submitted documentation.

## TECHNICAL SKILLS

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**Frontend:** HTML, CSS, Bootstrap, JavaScript, React

**Backend:** Firebase Functions, RESTful APIs

**Database:** MongoDB, Firebase (Realtime, Firestore)

**AI/ML:** Python, PyTorch, TensorFlow, OpenCV, Scikit-learn, Pandas, NumPy, Streamlit

**Tools:** Git, GitHub, VS Code

## CERTIFICATIONS

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- Information Technology Specialist — HTML, CSS, JS (Certiport)
- Diploma in Computer Applications (DCA)
- Git GitHub Masterclass — Udemy
- Tech Expo — Parul University (Showcased AI Projects)

## SOFT SKILLS

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- Analytical thinker and debugger
- Proactive learner and communicator
- Team player with leadership qualities
- Creative and resourceful problem solver

## LANGUAGES

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English, Hindi, Gujarati

## HOBBIES

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AI tool exploration, creating tech content

## PROJECTS

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### **IVF Image Prediction Web App**

- Built a PyTorch model to predict embryo viability using Grad-CAM.
- Created a Tkinter-based GUI that auto-generates prediction reports.

### **Agentics – AI Agent Platform**

- Developed an automation platform for scraping, notifications, and task scheduling.
- Used JavaScript, Firebase, REST APIs, and cron jobs.

### **Email Spam Detection Web App**

- Implemented a Naive Bayes classifier with Scikit-learn for spam filtering.
- Created a real-time web app interface using Streamlit.

### **ATM Machine System (Java + DSA)**

- Developed a secure command-line ATM using LinkedList and HashMap.
- Implemented core banking features using object-oriented design.

## ACHIEVEMENTS

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- Finalist — AI/ML 2.0 Hackathon 2025
- Participant — Smart India Hackathon 2024
- Participant — Vadodara Hackathon 2.0 (2024)
- Completed 8+ full AI and web development projects

## SEMINARS

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- **AI with Astrology** — Parul University
- **General AI** — Parul University
- **Edge Computing** — Udhna Citizen College, VNSGU