

Palak Pandey

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EDUCATION

- **Bachelor of Technology** in Computer Science | VIT Bhopal University, Bhopal, India CGPA:8.81 | 2023 – 2027
- **XII (ISC)** | Casterbridge School, Ballia, India 79.75% | 2022
- **X (ICSE)** | Casterbridge School, Ballia, India 86.20% | 2020

SKILLS

- Java, SQL, Python, AWS (S3, EC2), Excel, Github
- **Certifications:** NPTEL (Introduction to Machine Learning); Vityarthi (Python, Introduction to Machine Learning, Java)

PROJECTS

Predictive Spam Analytics Platform

March 2025 – May 2025

- Built an end-to-end email/SMS spam classifier using Python with the UCI SMS Spam dataset, performing comprehensive preprocessing including tokenization, stopword removal, and stemming.
- Engineered features (message length, word and sentence count) with Bag of Words vectorization; trained models (Naive Bayes, Logistic Regression, SVM, Random Forest) achieving 97%+ accuracy.
- Deployed a Flask web app on Heroku for real-time spam/ham prediction, enabling user-friendly access and model evaluation.

Fleet Management

October 2024 – January 2025

- Developed a Python Tkinter GUI with MySQL backend for managing over 120 trucks and 40+ employees in a Delhi NCR logistics firm, automating data entry and tracking.
- Implemented secure login with multi-role access and centralized supplier management with CRUD operations, reducing data inconsistencies by 35% and eliminating unauthorized access incidents.
- Enhanced real-time data validation and updates, cutting manual recordkeeping errors by 25% and boosting admin task efficiency by 30%; tools: Python, Tkinter, MySQL, PyMySQL.

COCURRICULAR

- **Event Coordinator, North East Club** March 2024 – Present
Orchestrated logistics for 10+ large events with 300+ participants each, cutting setup time by 25%.
- **Research Participant, AI Club** January 2024 – July 2024
Facilitated 5+ workshops, improving participants' model accuracy by 10% and raising attendance to 120 per semester.
- **Lead Performer, Dance Club** December 2023 – May 2024
Choreographed 4 performances and trained 15 members, boosting club engagement by 35%.

ACHIEVEMENTS

- Participated in Smart India Hackathon 2024, contributing to solution development for 2 industrial challenges within a 36-hour deadline.
- Engaged in a 24-hour AI-themed hackathon and showcased projects alongside 40+ teams during the Project Expo and Poster Presentation, collaborating with industry experts and university faculty.
- Attended in the inaugural Industry Conclave 2024 at VIT Bhopal University, featuring 25+ leading industries and expert tech talks on AI, Industry 4.0, and innovation.