

# PRINCY PATEL

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## TECHNICAL SKILLS

**Programming & Scripting:** Python (NumPy, Pandas, Scikit-learn, TensorFlow, PyTorch, Matplotlib, Seaborn), C++, R, SQL, JavaScript, HTML/CSS, Bash

**Data Science & Analytics:** Data Cleaning, EDA, Statistical Modelling, Machine Learning (Regression, Classification, Clustering), Big Data Tools (Spark, Hadoop), Cloud Platforms (AWS, Google BigQuery, Azure), Data Visualization (Power BI, Tableau)

**Artificial Intelligence & ML:** Deep Learning (CNN, RNN, Transformers), Natural Language Processing (BERT, spaCy, NLTK), Computer Vision (OpenCV, YOLO), Model Evaluation & Deployment (Flask, Streamlit, Docker, FastAPI)

**Mathematics & Computational Modelling:** Linear Algebra, Probability & Statistics, Optimization, Differential Equations, Numerical Methods, Algorithm Design

**Software Development:** Git/GitHub, Object-Oriented Programming, REST APIs, Testing (Pytest), Agile Development

**Research & Visualization:** MATLAB, SciPy, LaTeX, Overleaf, Plotly, Technical Report Writing

**Specializations:** Edge AI & Embedded Systems (Jetson Nano, TensorRT), Predictive Analytics, Healthcare AI, Data Pipeline Automation

## EDUCATION

**Bachelor of Technology, Computer Science and Engineering** Sept 2022 - Expected Graduation June 2026  
**Indus University, Ahmedabad, IN**

- Cumulative **CGPA: 9.9 / 10** (upto 6<sup>th</sup> semester) | Currently enrolled in 7<sup>th</sup> semester
- **Key Coursework:** Data Structures & Algorithms, Artificial Intelligence, Machine Learning, Database Management Systems, Probability & Statistics, Linear Algebra, Computer Networks, Internet of Things, Operating Systems
- **Academic Achievements:** Consistently ranked among the top students of the department; recognized for academic excellence and project innovation

## PROFESSIONAL EXPERIENCE

**Data Science Intern** July 2025 – Present  
**Nexuslink Services India Pvt. Ltd., Ahmedabad**

- Applied **machine learning algorithms** and **statistical modeling** to analyze and generate insights from complex business datasets.
- Performed **data preprocessing, cleaning, and visualization** using **Python (NumPy, Pandas, Matplotlib, Seaborn)**, improving model accuracy and interpretability.
- Built and fine-tuned **predictive models** with **Scikit-learn** and **TensorFlow**, achieving strong performance across multiple analytical tasks.
- **Led a cross-functional team of 10 members** in developing a **full-cycle data-driven project**, coordinating workflow, version control, and presentation deliverables.
- Collaborated effectively across departments, demonstrating **strong teamwork, communication, and project-management** abilities while ensuring timely project completion.
- Delivered **key presentations** to management translating technical findings into actionable **strategies**—demonstrating leadership, communication excellence, and business impact.
- Recognized for being a **collaborative team player** with a **proactive approach** to problem-solving and continuous learning in **fast-paced environments**.

**Freelance Data Analyst** Sept 2023 – Present  
**Remote**

- Delivered **data-driven solutions** to multiple clients across retail, education, and technology domains, transforming raw datasets into actionable insights.
- Performed **data collection, cleaning, and exploratory analysis** using Python (Pandas, NumPy) and SQL, improving analytical accuracy and reporting efficiency.
- Built **interactive dashboards** with Power BI and Tableau to visualize KPIs and automate performance tracking, enhancing clients' decision-making workflows.
- Conducted **predictive modelling** and **trend forecasting** using Scikit-learn and StatsModels, identifying business opportunities and cost-reduction strategies.
- Managed full-cycle analytics projects—from requirements to delivery—demonstrating strong client **communication, time management, and analytical leadership**.

**STEM Outreach Volunteer** Jan 2023 – Present  
**Indus University**

- Led and mentored a **team of 8 volunteers** to deliver hands-on coding and AI literacy **workshops for 200 + students** across local schools.
- Empowered underrepresented youth by **promoting digital literacy, problem-solving, and teamwork** through real-world tech projects.
- Recognized for creating an **inclusive, collaborative** learning environment that connected academic knowledge with community development.

- **Led and organized multiple college hackathons, coding challenges, and innovation showcases** engaging over **300** participants from diverse academic backgrounds.
  - Supervised a **team of 12 volunteers**, overseeing event design, logistics, and technical setup to ensure efficient coordination and execution.
  - Collaborated with faculty mentors and industry sponsors to promote **creativity, teamwork, and applied problem-solving** among student participants.
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**Volunteer**

**Each Semester**

- **Led cross-club collaborations** with the Robotics, Coding, and Astronomy clubs to apply mathematical concepts in algorithm design, simulations, and technical problem-solving.
  - **Organized and facilitated workshops** demonstrating real-world applications of mathematics in data science, engineering, and space exploration.
  - **Mentored peers** in developing **analytical thinking and integrating mathematical** methods into interdisciplinary university projects.
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**CERTIFICATIONS**

- **AWS Academy Machine Learning Foundations (2025)** – Completed 20-hour AWS Academy program covering core ML algorithms, supervised/unsupervised learning, and model evaluation. [[View Certificate](#)].
  - **Machine Learning with Python – freeCodeCamp (2025)** – Completed an intensive ~300-hour program developing and deploying ML models using Python, pandas, NumPy, and scikit-learn. [[View Certificate](#)].
  - **Data Visualization with D3.js – freeCodeCamp (2025)** – Finished a ~300-hour hands-on course creating interactive, data-driven visualizations using JavaScript and D3.js. [[View Certificate](#)].
  - **Neuromarketing using AI (2024)** – Studied applications of AI in analyzing consumer behavior and marketing decision processes. [[View Certificate](#)].
  - **Financial Literacy – UNICEF (2024)** – Completed UNICEF-led certification focusing on personal finance, budgeting, and responsible financial management. [[View Certificate](#)].
  - **AWS DevOps Essentials – Amazon Web Services (2023)** – Learned cloud-based DevOps workflows, CI/CD automation with AWS CodePipeline, and infrastructure monitoring best practices. [[View Certificate](#)].
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**PROJECTS**

- **Prompt Effectiveness Evaluator (PEE) — Published Research Project**  
**Indus University | IJRASET Journal (Vol. 13, Issue XI, 2025) | [Published Paper](#) | [[Github](#)]**
- Developed a framework for evaluating prompt strategies in Large Language Models using quantitative metrics (ROUGE-L, BLEU, BERTScore). Implemented and deployed the system using Python, Streamlit, and NLP APIs for applied AI benchmarking.
- **Earthquake-App** – Built a real-time earthquake tracking dashboard using Python and APIs to visualize seismic activity globally with location-based alerts. [[Github](#)].
- **Track-My-Fin** – Developed a personal finance analyzer that tracks income and expenses using Python, Matplotlib, and interactive visual reports. [[Github](#)].
- **Pet-Plant** – Created a full-stack web app that provides AI-based plant and pet care tips with an intuitive React and Flask interface. [[Github](#)].
- **Agro-Care** – Designed a smart agriculture assistant that predicts crop yield and suggests fertilizers using machine learning and weather data. [[Github](#)].