

Parth Puri

B.Tech - Computer Science (AI & ML), Manipal University Jaipur (Batch of 2027)

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Education

Manipal University Jaipur

B.Tech in Computer Science (AI & ML)

Jaipur, India

2023 – 2027

Certificates

- NPTEL - Design & Analysis of Algorithms (Apr 2025)
- Cisco Networking Essentials (Oct 2025)
- CCNA: Switching, Routing, and Wireless Essentials (Oct 2025)
- NPTEL Introduction to Machine Learning (Oct 2025)

Tagore International School, Vasant Vihar

Senior Secondary & Secondary Education

New Delhi, India

Graduated 2023

- Senior Secondary (Class XII): 77%
- Secondary (Class X): 94.6%

Technical Skills

- Programming Languages & Tools:** C++, Python, HTML, CSS, SQL, Github, Google Colab, Jupyter Notebook
- Core CS:** Data Structures & Algorithms, OOPS, RDBMS
- Python Libraries & Framework:** Pandas, NumPy, OpenCV, Scikit-learn, Django
- AI Concepts:** Generative AI (LLMs), Computer Vision, ML Fundamentals
- ML Frameworks:** TensorFlow, Keras (Project-based experience)

Professional Experience

tyron.in

Co-Founder

New Delhi, India

Jun 2021 – Aug 2023

- Co-founded tyron.in while in high school, a brand manufacturing sustainable footwear from upcycled tyre scraps.
- Directed key operations: manufacturing, supply chain logistics, and material sourcing.
- Led marketing and sales, scaling the brand from a local project to international sales (India & US).

CampusAdda

Content Manager (UI/UX)

Jaipur, India

Oct 2024 – Apr 2025

- Spearheaded UI/UX improvements for a 15k+ user base by conducting detailed analysis of app structure and user feedback.
- Collaborated with product team on app design and specifications, boosting user retention by 15%.

Technical Projects

Drowsiness Detection System (MUJHACKx 2023)

Oct 2023

Tech Stack: Python, TensorFlow, Keras, OpenCV, pygame

- Ranked in Top 10 among 300+ competing teams from various colleges.
- Trained a CNN on a 7000+ image dataset to classify driver drowsiness in a team of 4.
- Used OpenCV for real-time eye-aspect-ratio (EAR) analysis and pygame for alarm triggers.

Deloitte Capstone Project

Oct 2025 – Jan 2026

Tech Stack: Python, FastAPI, GenAI (Gemini), PostgreSQL, Redis, Next.js

- Selected among top 10 teams for Deloitte's mentorship program; architected a Human-in-the-Loop GenAI evaluation pipeline for education loan ML systems using 3,100+ synthetic applicants across 5 bias dimensions.
- Delivered 10.5% absolute bias reduction (12.5% → 2%), raised approval parity to 0.97, and compressed model validation cycles from weeks to <48 hrs through agentic prompt-based mitigation.

AI-Driven Cloud Resource Optimizer

Aug 2025 – Jan 2026

Tech Stack: Python, TensorFlow/Keras, FastAPI, React.js, Pandas, NumPy

- Engineered a full-stack AI solution to optimize cloud resources and reduce infrastructure costs.
- Trained an LSTM network (TensorFlow) to forecast future CPU workloads using Pandas/NumPy for preprocessing.
- Awarded Second Runner-Up, Project Expo 2025, Manipal University Jaipur.

Achievements

- \$5,000 Winner**, Bechtel Scholarship Program (2023)
- \$5,000 Winner**, World Youth Entrepreneurship Challenge (2022)
- Featured on "Future of the Business World" podcast by the **Wharton School of Business**