

PARTH NAYYAR

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EDUCATION

Mahindra University, Hyderabad

Expected: May 2029

B.Tech in Data Science

Relevant Coursework: Python Programming, Data Structures & Algorithms, Linear Algebra, Discrete Mathematics, Digital Logic Design & Computer Architecture, Calculus & Differential Equations

PROJECTS

IPL Cricket Data Analysis | github.com/parthnayyar07/ipl-analysis

May 2026

Python, Pandas, NumPy, Seaborn, Matplotlib, SQL

- Analyzed 17-season IPL dataset (260K+ records) to surface actionable batting, bowling, and venue trends across 6 visualizations, merging multi-table delivery and match metadata using Pandas
- Applied groupby, filtering, and crosstab normalization to uncover insights including Kohli's all-time run lead (7,987 runs) and a near-random toss advantage (50.8% win rate), challenging a common selection assumption
- Queried structured match data using SQL to validate and cross-check aggregated Pandas results, strengthening data integrity across the analysis

Project Chronos | github.com/parthnayyar07/project-chronos

2025

Python, Google Gemini API | MU AI Hub Hackathon (Participation)

- Built an AI-powered text transformation tool integrating the Google Gemini API to reconstruct informal input into structured, professional prose
- Engineered a Python-based backend service via Gemini REST API integration; designed a prompt pipeline to transform unstructured text into structured JSON and plain-text output for downstream use

PDF Master Tool | github.com/parthnayyar07/pdf_master_tool

2025

Python, CLI, Cryptography

- Built a Python CLI tool for PDF management featuring AES-based encryption, multi-file merging, and automated document splitting
- Supported batch processing of multiple files via command-line arguments using a modular Python architecture separating encryption, merge, and split functions

TECHNICAL SKILLS

Languages: Python, C, SQL

Databases: SQL, SQL Server

Libraries: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn

Tools: Microsoft Excel, Google Sheets, Jupyter Notebook, Git, GitHub, Google Colab, VS Code

CS Fundamentals: Data Structures (Trees, Graphs, Linked Lists, Sorting), Algorithm Analysis (Big O)

Concepts: Exploratory Data Analysis, Data Visualization, Data Cleaning, Data Wrangling, Report Writing, Business Insights, Object-Oriented Programming

CERTIFICATIONS & AWARDS

- DataCamp: Supervised Learning with scikit-learn — Course Completion (2026)
- Kaggle: Pandas — Certificate of Completion (May 2026)
- Kaggle: Data Visualization — Certificate of Completion (May 2026)
- Deloitte Data Analytics Job Simulation — Forage (December 2025)
- AI Student of the Year Hackathon — Participation Certificate, Google Gemini × MU AI Hub (2025)