Piyush Mohapatra

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Education

Manipal Institute of Technology	October 2021 - July 2025
B.Tech Computer and Communication Engineering - CGPA: 7.85	

Delhi Public School, Ruby Park (Class XII) - CBSE, 93.4%	2021
Amity International School, Mayur Vihar (Class X) - CBSE, 94.2%	2019

Work Experience

Georgia Institute of Technology, FSIL — May 2024 - July 2024
Research Assistant

- Streamlined data annotation using Label Studio, creating hierarchical links between entities to improve financial document analysis.
- Enhanced SEC filing analysis by refining Transformer-based NER models, improving entity recognition for complex financial data.

Ola Cabs — June 2023 - July 2023
Software Infrastructure Intern
Business Intelligence and Data Platform Team

- Developed efficient SQL queries and Python code for querying and processing large datasets on Hue and Superset, supporting real-time data analysis.
- Collaborated on building business intelligence dashboards in Power BI and generating reports in MSTR, utilizing millions of rows of data to drive insights.

Projects

FinScope: SEC Filings Analysis - *Python, Pandas, Streamlit*
FinScope Website - https://finscope.streamlit.app/ — ⬡ Source Code

- Implemented an automated system to download, clean, and process SEC 10-K filings, integrating large language models for financial data insights.
- Built a Streamlit web app to visualize trends from filings, enabling users to perform company-specific financial analyses efficiently.

DataCap: Exploring Cape Floristic region biodiversity - *Python, Pandas, HTML, CSS, JavaScript*
Website - https://www.datacap.earth/ — ⬡ Source Code

- Analyzed satellite data to identify and track biodiversity trends in the Cape Floristic region, leveraging Python and Pandas for data processing.
- Visualized key biodiversity hotspots and trends over time on an interactive website.

Achievements

Best Use of Data Award and Global Nomination - NASA SpaceApps'23 Bengaluru — October 2023
Recognized for innovative data analysis and visualization techniques, creating a website to highlight biodiversity hotspots in the Cape Floristic region, fostering scientific collaboration and awareness.

Won HackNITR4.0 - NIT, Rourkela Hackathon (EarthHacks Sponsored Track) — January 2023
Created a web platform within 36 hours that allows users to share and explore nature-focused images from cities worldwide, ranking cities based on community engagement and environmental impact.

1st Position on Leaderboard - TensorFlow User Group Kolkata Qualifiers — December 2022
Achieved 1st place on both the Private and Public Leaderboards in a competitive data science challenge.

Skills

Programming Languages: C++, Python, SQL, HTML, CSS, Java

Professional Development

Amazon ML Summer School — September 2023 - October 2023
Engaged in an intensive program focused on advanced machine learning concepts, working alongside Amazon's ML experts to explore real-world applications and industry-driven innovations.

IEEE Student Branch Manipal — July 2022 - Present
Machine Learning and Research Head
Led research initiatives and mentored teams on machine learning projects, driving innovative solutions and fostering a collaborative learning environment.