

Anushka Pandey

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EDUCATION

Tufts University, MA - Master of Science in Data Analytics/ GPA: 4.0/4.0

Sep 2023- May 2025

Manipal Institute of Technology, India - B.Tech in Electrical and Electronics Engineering

Aug 2018 - Aug 2022

TECHNICAL SKILLS

Programming Languages: Python, SQL, JAVA

Libraries/Frameworks: PowerBi, Tableau, Pandas, NumPy, Matplotlib, Scikit-Learn

EXPERIENCE

Data Analytics Department, Tufts University, MA, USA

Graduate Research Assistant

Jan 2024 - Present

- Enhancing accessibility of *D'Arcy Thompson's Glossary of Greek Birds* by developing automated tagging and NLP pipelines to process XML data using Oxygen Editor and Python.

A5g Networks, USA

A5G Networks is a start-up that specializes in advanced network solutions that optimize telecom performance to enable a seamless 4G/5G service experience in distributed and heterogeneous environments.

AI/ML intern

Jun 2024-Aug 2024

- Integrated PostgreSQL as an additional data source for the Mobility Dashboard, enhancing data analysis with node graph functionality for advanced network performance visualization.
- Spearheaded the development, maintenance, and enhancement of a real-time Mobility Dashboard using Grafana and PromQL, optimizing the monitoring and analysis of telecom network mobility patterns across 10+ key metrics, including signal strength, user location, and network connectivity.

Freelance Media Strategist, USA

Helping businesses grow their digital presence through social media strategies, creative content, and audience engagement optimization

Aug 2024 – Present

- Managed multiple clients' social media presence on LinkedIn, Instagram, Facebook to grow brand awareness and boost engagement.
- Created and scheduled content to align with brand strategy.
- Analysed performance metrics to refine campaigns and increase engagement, leveraging trends and audience behaviour to drive growth

Wipro Technologies, Bangalore, India

A leading global information technology, consulting, and business process services company with annual revenue of over \$8B

Project Engineer

Jul 2022 - Jul 2023

- Collaborated with a diverse team of 10+ members on the design and development of an NNA Application, for Nokia Siemens Networks which boosted FCAPS management efficiency and operational performance in FY 2022.
- Utilized Java in an agile framework to fast-track development, enabling quick demo delivery and accelerating client feedback integration.

Information and Communication Technology Department, Manipal University, India

A premier institution of engineering and technology in India, consistently ranked among the top technical institutions in India

Undergraduate Research Assistant

Jan 2022- Jul 2022

- Developed an end-to-end Twitter sentiment analysis pipeline on e-health trends, which helped refine e-health resources through insights into competitor sentiments and user preferences.
- Assessed the feasibility of utilizing Vader and Textblob for data tagging, conducting a comparative analysis to determine their efficacy in processing and categorizing social media data.

AINE AI, India

An innovative tech start-up specializing AI and data science solutions, driving digital transformation for businesses

Remote Data Science Intern and Business Intelligence Intern

Mar 2022

- Utilized Power BI software to analyze market share for the client and competitors, identifying gaps and delivering actionable insights through client-ready presentations.

PROJECTS

CRWA Charles River Discharge Monitoring Pipeline [In Progress]

Oct 2024- Present

- Currently developing a data pipeline for the Charles River Project, sponsored by the Charles River Watershed Association (CRWA) in Boston to deliver a Power BI dashboard that monitor daily discharge events across ten river sites ; to protect Boston's Charles River, enhancing environmental sustainability and public safety for recreational uses.

Relevance Analysis of Reddit Threads in US Elections 2024 Discourse [In Progress]

Oct 2024 – Present

- Building a tool to evaluate the relevance of Reddit threads in political discourse surrounding the 2024 US Elections. This project utilizes natural language processing techniques and data visualization to uncover key

patterns and influencer dynamics, providing insights into the role of Reddit discussions in shaping public opinion and election trends

Analyzing the Prevalence of Minority Ownership in Women's Businesses in Boston [[Repository](#)] Oct 2023 – Dec 2023

- Efficiently streamlined data on 195 women-owned businesses in Boston, to derive socioeconomic insights and guide the policymakers for better resource allocation. (Using R)

Aspect Based Sentiment Analysis [[Repository](#)] Jan 2022- Jul 2022

- Developed an end-to-end Twitter sentiment analysis pipeline to conduct e-health data analysis using Twitter hashtags to visualize key insights, trends, and public sentiment.

ACADEMIC ACHIEVEMENTS

- Recipient of 10% scholarship from Tufts University in the year 2023-24 for past academic and professional excellence.
- Awarded the Schneider Sustainability championship for the year 2021 for visionary initiatives that made a significant impact on reducing carbon footprints and promoting sustainable living.