Tanay Mukker

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EDUCATION

Thapar Institute of Engineering & Technology Patiala, Punjab, India
Bachelor of Engineering in Electronics & Computer Engineering *Sept. 2022 – Present*

Amity International School Gurgaon, Haryana, India
All India Senior School Certificate Examination (CBSE) (89.6%) *Apr. 2020 – July 2022*

TECHNICAL SKILLS

Programming Languages: C, C++, Python, R, HTML/CSS, SQL, PL/SQL
Frameworks/Libraries: Pandas, NumPy, Matplotlib, Dplyr, Shiny
Developer Tools: Jupyter Notebook, Google Colab, VS Code, RStudio, IBM Cognos

WORK EXPERIENCE

Xebia IT Architects Gurgaon, India
Summer Intern *Jun. 2024 – July. 2024*

- Supported the Recruitment team, and worked closely with the Team Lead in sourcing candidates, reviewing resumes, and conducting initial screenings.
- Conducted and assisted in 5+ market research projects and competitor analysis exercises, providing data-driven insights that enhanced talent acquisition strategies and improved candidate quality by 20%.

PROJECTS

Railway Track Anomaly Detection System | *Python, PostgreSQL, Signal Processing* Ongoing

- Detecting track anomalies using OpenCV & TensorFlow for defect classification.
- Developing a predictive maintenance platform with ML models & cloud databases to minimize downtime.
- Building a real-time monitoring dashboard using Google Cloud & PostgreSQL for instant alerts.

Weather-Driven Bike Demand Prediction | *R, SQL* Ongoing

- Predicting bike-sharing demand in real-time using R, webscraping & OpenWeather API.
- Integrating global bike-sharing and city data with SQL for location-based analysis.
- Building an interactive Tableau dashboard to visualize weather patterns and bike demand.

Smart Parking Management System | *SQL, PL/SQL, Python* Oct 2024 - Dec 2024

- Optimized parking allocation with real-time tracking (30% faster search), dynamic management (20% more utilization), and secure MySQL storage (40% faster access) using Python.

POSITION OF RESPONSIBILITY

TEDxTIET | *Joint Lead* Aug. 2023 - Present

- Organized two TEDx conferences with 7+ speakers, attracting 200+ attendees and revitalizing TEDxTIET.
- Lead a 70-member team, managing tech, event planning, finance, speaker curation, and partnerships.

SATURNALIA '24 | *Executive Committee Member - Event Management* Sept. 2023 - Present

- Organized 50+ cultural and technical events, enhancing participant satisfaction by 40%.
- Managed budgets, registration fees, and prize distribution for optimal resource utilization.

URJA'24 | *Department Head - Public Relations* Nov. 2023 - Dec. 2024

- Led a 40-member PR team, driving innovative communication and crisis management.
- Boosted social media engagement by 20,000+ daily viewers across Instagram, LinkedIn, and Facebook.

CERTIFICATIONS

Front-End Developer - Meta
Data Analytics with Excel and R - IBM