Muhammed Adnan

LinkedIn/ Adnan   Email: adnanmuhammedadnancp@gmail.com

GitHub/ Adnan   Mobile: +91 6238320553

EDUCATION

Hindustan Institute of Technology & Science   **Expected Graduation: 2025**
Bachelor of Computer Applications with Data Analytics

Government Vocational Higher Secondary School, Koppam   **2020 - 2022**
Junior Software Developer (JSD)

SKILLS SUMMARY

- **Languages**:   Python, SQL, JavaScript, HTML/CSS
- **Frameworks**:   Pandas, Numpy, Scikit-Learn, Matplotlib, FastAPI, Flask, Streamlit
- **Tools**:   Git/Github, Docker, Power BI, PostgreSQL, SQLite
- **Platforms**:   Linux, Neovim
- **Soft Skills**:   Rapport Building, Problem Solving

WORK EXPERIENCE

DATA SCIENTIST - INTERN   **Aug 2023 - Present**

- Actively contributed as a hands-on developer, taking ownership of tasks across the development lifecycle to ensure timely project delivery.
  - Collaborated within an Agile (Scrum) framework and utilized Git for version control, ensuring seamless code integration and efficient project progress.
  - Designed and implemented web interfaces using **Tailwind CSS** and **Next.js**, enhancing user experience and interface responsiveness.

PROJECTS

Ground Water Quality Prediction | LINK   **Dec 2024**

- Achieved a 93% accuracy rate by developing and deploying an end-to-end machine learning model for water quality prediction.
- Built an interactive dashboard using Streamlit for real-time user input and predictions.

Air Quality Index (AQI) Prediction | LINK   **Oct 2024**

- Developed a regression-based random forest model to predict the Air Quality Index, achieving an 87% accuracy rate.
- Integrated the model with a Flask backend and used Jinja2 templating to create a dynamic web application for user interaction and predictions.

Library Service | LINK   **July 2024**

- Built a RESTful API using FastAPI and SQLAlchemy to manage library services with efficient CRUD operations and robust database management.
- Implemented advanced logging and error handling to ensure API reliability and scalability, enabling seamless user experience.

CERTIFICATES

Diploma in Data Science (Cyber Square Professional) | CERTIFICATE   **Dec 2024**

- Mastered foundational and advanced concepts in Data Science, including PostgreSQL, Power BI, Python Libraries and statistics.
- Completed two end-to-end projects, applying data science workflows.

Python For AI (Cyber Square Professional) | CERTIFICATE   **Apr 2024**

- Mastered Python concepts, including object-oriented programming, data science libraries and DSA.
- Acquired expertise in procedural and OOP paradigms, enhancing proficiency in building AI and data science solutions.

Rest API (HackerRank) | CERTIFICATE   **Nov 2024**

- Developed expertise in designing and consuming APIs, enabling robust and efficient backend communication.