Pranav Mahesh Mekal

(315) 374-8868 | pmekal@syr.edu | https://www.linkedin.com/in/pranav-mekal/ | https://mekal.dev/

EDUCATION

Syracuse University, School of Information Studies, Syracuse, NY May 2025
Master of Science| Applied Data Science | Major in Data and Business Analytics.

PES University, School of Computer Science and Engineering, Bangalore, India May 2023
Bachelor of Technology| Computer Science | Major in Data Science and Machine Learning.

TECHNICAL SKILLS

Languages: Python, R, SQL
Tools: Tableau, PowerBI, Salesforce, Excel (Data Analysis and Manipulation, Pivot Tables, VLookup, Correlation, Regression, Forecasting, Solver optimization, 3-D Maps, Power Query, Power Pivot), MS Access, PowerApps, PowerPoint
Database Management: SQL Server Management Studio, Azure Data Studio, PostgreSQL, MongoDB Atlas
Frameworks and Libraries: Python(Scikit-learn, Pandas, Numpy, Matplotlib, Keras, PySpark, SpaCy, NLTK, TensorFlow, OpenCV, Pytorch), Django, R(Tidyquant, Rcmdr, ggplot2, tidyverse, ggmap), ETL Framework, REST APIs
Cloud/DevOps: Azure, Docker, Okteto, GitHub

EXPERIENCE

Data Analytics and Business Intelligence Intern, United Nations - DOS, New York, USA June 2024 - Aug 2024

- Analyzed large datasets, supported data model development, and provided technical support for dashboards, translating complex data into actionable insights for stakeholders.
- Optimized the pass mark analysis process using a Python tool, reducing analysis time by over 70%, enhancing efficiency in candidate assessments while aligning with goals for nationality and gender equality.
- Created and published various dashboards (entity profile, assessment analysis, SWTP), driving data-driven decision-making and supporting team efforts to reduce gender disparities and develop a roster of field deployment candidates.

Data Analyst, Supply Chain Intern, Macrovision Telenet, Bangalore, India January 2023 - May 2023

- Developed a cutting-edge inventory management software leveraging Django framework, resulting in a streamlined system reduced inventory errors and improved operational efficiency.
- Engineered a user-centric dashboard, providing real-time insights into inventory levels, issuing low stock alerts, and generating comprehensive order reports.
- Drove optimization of inventory operations, slashing carrying costs and promoting order fulfillment efficiency, achieving a sales advantage of over 20% in the market to establish a strong competitive edge.

Project Intern, Datacore Technologies, Bangalore, India June 2022 - August 2022

- Created an end to end cloud based chatbot, from designing, development and deployed to cloud. Collaborated closely with sales and product teams to collect crucial data for its creation.
- Utilized the RASA Python framework, resulting in a remarkable 181% ROI for the company in less than a year.
- Delivered an impressive 62% boost in lead generation and reduced costs while eliminating the need for customers to directly contact sales personnel for product inquiries.

PROJECTS

Stock Option Price Prediction
The project aims to develop a model for forecasting option prices using real S&P 500 option data from 2023. The best model, a Random Forest Regressor, achieved an accuracy of 96.8%. This high-performing model can be utilized in the real stock market to make informed trading decisions, providing a reliable estimate of potential profits for options trading.

Human Identification and Verification Using Gait Analysis and Facial Recognition
Designed a cost-effective, contactless access control system that integrated contactless technologies, gait analysis, and facial recognition. This project also involved the development of a proprietary dataset of Gait Energy Images (GEI) utilizing depth-capturing features, in conjunction with facial recognition, resulting in an exceptional 89% combined accuracy rate.

Farm2Fork
The project involved creating a comprehensive supply chain application using Microsoft PowerApps, SQL database, and PowerBI for data analytics. This app connects farmers, distributors, and consumers in one seamless platform. Each stakeholder can view real-time analytics about the stock of the harvest, and track profit and loss through integrated PowerBI reports. Farm2Fork streamlines the entire supply chain process, enhancing transparency and efficiency, ultimately supporting better decision-making and fostering a more connected agricultural ecosystem.