

Gandham Venkata Sai Vishal

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EDUCATION

Adelphi University

Robert B. Willumstad School of Business Master's in Business Analytics

August 2023- Pursuing

GPA: 3.75/4

Chaitanya Bharathi Institute of Technology

Bachelors in Electronics and Communication

July 2021- July 2022

CGPA: 7.03/10

TECHNICAL SKILLS

Languages: R, SQL, Python, C, MATLAB, C++

Software: Visual Studio, Anaconda, Tableau, Arduino, Xilinx, MathWorks, Cadence Virtuoso

Tools: PowerApps, MS Excel (Risk Management, Pivot Tables, Power Pivot, Correlations, Macros, Solver Optimization, Forecasting), MS Project, Tableau, Power Bi, MS Access, Google Analytics

EXPERIENCE

Graduate Assistant, Adelphi University

Jan 2024 - Present

- Developing and deploying Python-based office automation tools, focusing on streamlining tasks.
- Actively managing and organizing office operations, including correspondence, record keeping, and scheduling.
- Contributing to team projects and academic event coordination, leveraging strong collaborative and communication skills.

Business Analyst Intern, Dream Ambassadors– Hyderabad, India

Jan 2023 - Jun 2023

- Partnered closely with key stakeholders to meticulously analyze business requirements, craft tailored solutions, and pinpoint enhancement opportunities, ultimately yielding an impressive 95% customer satisfaction rate and a notable 20% reduction in process inefficiencies by utilizing data visualization tools.
- Performed in-depth analysis, identified bottlenecks, and recommended process improvements, leading to a 15% increased turnover.
- Conducted cost-benefit analysis to evaluate the financial impact of proposed projects.

Industry Internship in AI, Machine Learning & Industrial IoT, National Instruments and Cognibot

Apr 2020 - Jun 2020

- Developed and implemented sophisticated machine learning algorithms that processed and analyzed 50GB of industrial data, resulting in a 20% improvement in predictive analytics accuracy for a simulated manufacturing process.
- Collaborated with a diverse team of 5 interns to create an AI-driven anomaly detection system, decreasing false alarms by 40% and reducing response time by 15%, enhancing overall operational efficiency and response accuracy.
- Presented findings to a panel of industry experts, effectively conveying complex technical concepts, and received positive feedback, reinforcing industry recognition for the innovative solutions developed during the internship.

ACADEMIC PROJECTS

Data-Driven Customer Identification and Growth Strategy - Netrality:

- Conducted Exploratory Data Analysis (EDA) and Principal Component Analysis (PCA) on Netrality's customer data.
- Implemented predictive models leveraging ML algorithms with 89% accuracy for enhancing customer acquisition tactics.
- Conducted deep analytical dives to segment high-value customers for Netrality's market expansion.

Traffic Flow Optimization Project:

- Engineered a traffic management solution utilising ultrasonic and IR sensors interfaced with Arduino and Raspberry PI.
- Analyzed traffic patterns and adjusted signal timings dynamically based on real-time sensor data.
- Observed 20% decrease in average wait times at intersections, validated through extensive data collection and analysis. This optimization resulted in a smoother flow of vehicles during peak hours and reduction in instances of gridlock.

IoT Based Air Quality Monitoring System:

- Engineered an AI/ML-powered Environmental Data Analytics Platform creation, elevating governance insights by 40%.
- Pioneered data-driven strategies for environmental oversight, achieving a substantial uptick in governance efficacy.
- Developed real-time Python web application, enhancing air quality monitoring through IoT sensors.

CERTIFICATIONS AND CO-CURRICULAR

TATA Forge – Empowering Business with Effective Insights. **Google Course Certification** - Digital Marketing

Programs And Activities Coordinator – Executive Board - Graduate Student Council, Adelphi University

Head of Logistics – CBIT MUN 2020 – Chaitanya Bharathi Institute of Technology.

PUBLICATIONS

<https://technoaretepublication.org/internet-cloud-computing-research/assets/article/iot-based-air-quality-monitoring-system.pdf>