Sathwik Pendyala

+1 (631) 681 2360 | sathwik.pendyala@uconn.edu | linkedin.com/in/sathwikpendyala

EDUCATION

UNIVERSITY OF CONNECTICUT, SCHOOL OF BUSINESS   Hartford, CT
Master of Science (M.S.), Business Analytics and Project Management, **CGPA - 3.6/4**   **Dec 2022**
Coursework: Data Science using Python, Predictive Modeling, Statistics, Database Management, Business Process Modeling, Data Mining, Business Decision Modeling, Deep Learning, Financial accounting and reporting, Financial management

GANDHI INSTITUTE OF TECHNOLOGY AND MANAGEMENT (GITAM UNIVERSITY)   Hyderabad, India
Bachelor of Technology (B. Tech), Computer Science and Engineering, **CGPA - 3.7/4**   **Apr 2019**

COMPETENCIES

Analytics Skills: Predictive modeling, Statistical modeling, Decision Analysis, Neural Networks, Clustering, Hypothesis Testing, PCA, Naïve Bayes, K-Means, Time Series Models-ARIMA, A/B Testing, Clustering, Forecasting, NLP, Survival analysis
Technical expertise: SQL, Python, R, Java, Spring-boot, C, C++, .NET, REST API, JavaScript, HTML, CSS, Kafka, JMP
BI & Analytics Tools: Tableau, MS Excel, Oracle SQL, MS SQL, MS Visio, Power BI, Google analytics
Industrial Knowledge: Client Management, Agile Expert, Jira, IOT, Scrum management, Lean Six Sigma, Supply chain, Finance

CERTIFICATIONS

- Business Intelligence and Analytics using **Tableau** | Udemy, 2022
- **Data visualization** with **Python** and **Power BI** | Udemy, 2021
- Complete **Machine Learning** with **R Studio** | Udemy, 2021
- Project-Based summer training program and **Internship** on **Cyber Security** | Wingsvision Techno, 2018

EXPERIENCE

UNITEDHEALTH GROUP   Hyderabad, India
Data Engineer and Software Associate   **Jul 2019 – Jul 2021**
- **Data Processing |** Worked in Data processing application lifecycle using agile methodologies with active collaboration of cross-functional teams for streaming and analyzing data effectively that is collected from end-to-end
- **HealthCare Data | Python | Java** | Developed reusable, testable, quality efficient application for the domain of Health Insurance and created web pages with RESTful APIs as program interface
- **Data Reconciliation |** Administered the Reconciliation Project and expanded the application availability to various platforms across the organization, which improved Data quality and reduced human intervention in missing data detection
- **Business Analytics | Tableau |** Created dashboards, stories and variant visualization charts to display the performance statistics and business insights using Tableau, which are projected to managers, directors and staff
- **Data streaming | Kafka |** Modeled and implemented high speed data streaming pipeline using Kafka and other tools
- **SQL | Analytics |** Written and implemented **SQL** queries with optimized joins, analytic functions and sub-queries to extract results on Production data and to get insights from the recon data - designed and maintained **Microsoft SQL database**
- **Automatic Reports | Insights | Java, Angular |** Built an application to generate automatic Tableau reports based on the data sources and share the data insights with the project's stakeholders on scheduled time with day-to-day production data

RESEARCH CENTRE IMARAT (RCI – DRDO)   Hyderabad, India
Research Intern   **May 2018 – July 2018**
- **Java | Data management |** Worked with Research Scientist on secure application development using Java and SQL. Built a model for access control where multiple authorities jointly manage a uniform attribute set

PROJECTS

- **Statistical Analysis | Exploratory Data Analysis | R |** Applied correlation, PCA, linear regression techniques, performed exploratory & statistical analysis, hypothesis testing and Naive Bayes prediction models and predicted the customer response to marketing campaigns. Found the best model which potentially decreases marketing expenditure by over 25%
- **Predictive Modeling | Airbnb Review scores rating data | JMP |** Developed regression models to review score rating for Airbnb data, to predict the promotions strategy to its customers. Performed efficient pre-processing, outlier analysis and PCA techniques to reduce the dimensionality of the data, leading to a 90% increase in model efficiency
- **Business Process Modeling | Product Signup Optimization | ERD | SQL |** Examined the customer signup and purchase journey of SAAS product to develop the ERD Model, database, and reports with Oracle SQL. Identified actors and improved the business process by reducing the number of repetitive actions by introducing finance and billing workflow

ACHIEVEMENTS & LEADERSHIP

- Received **'STAR Award 2020'** at UnitedHealth Group for sustained performance in yielding Significant Business Impact
- Completed 240 hours of service as **National Service Scheme (NSS)** volunteer. *(Aug 2017 – Mar 2019)*
- Elected as Treasurer at **Engineers Without Borders (EWB)** NPO, GITAM chapter *(June 2017 – Aug 2018)*
- Mentored and navigated 7 student led start-up's which received funding and enhancement approvals from various start-up funding programs through **Entrepreneurs - Hub (E-Hub)**