Kandregula Naga Satya Sai Naren

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Education & Certifications

MPS in Data Science
University of Maryland Baltimore County (UMBC), Baltimore, USA, 2023-Present

BACHELORS'S DEGREE
Mechanical Engineering
Mahatma Gandhi Institute of Technology, Hyderabad, India, 2017-2021

Skills

Technical: C, Python, R, Java, Machine Learning, Pandas, NumPy, SQL, sci-kit-learn, TensorFlow, Matplotlib, Seaborn, Tableau.

Platforms & Tools: AWS, ASURE, Databricks, MongoDB, Git & GitHub, MS Word, MS Excel, PowerPoint.

Domain Knowledge: Machine Learning, Data Management and governance, Big Data processing, Data Engineering.

Professional: Problem-solving, Experimental Design, Leadership, Presentation Skills, Time Management, Attention to Detail, Communication Skills.

Extracurricular Activities

- Organized IGNITO-2020 fest at MGIT as Convenor.
- Basketball team captain at MGIT with inter-college wins.
- Active member of, the National Service Scheme (NSS), conducting waste management surveys.

Work Experience

Junior Compliance Engineer
iLenSys Technologies Pvt. Ltd| Hyderabad | March 2022 – Nov 2022

- Managed and supported multiple product compliance projects.
- Ensured compliance with standards: MDR, IVDR, ISO-13485, ISO-14971.
- Specialized in REACH, RoHS environmental compliance for diverse devices.

Internships
Khushi Software Services Pvt. Ltd. (Nov 2021-Jan 2022): Developed a Web Controlled Home Automation System and an Online Student-Selecting Tutor using PHP, MYSQL, and JavaScript with Raspberry Pi.

Projects

Urban Mobility Trends Analysis - Lyft Bay Wheels System Data:

- Led analysis of 1.24 GB Lyft Bay Wheels System data (2021–2023) with a team.
- Utilized PySpark, Databricks, and machine learning (LR, RF, MLP) for big data operations, and feature engineering, achieving 84.3% accuracy in bike availability estimation.
- Uncovered patterns in urban mobility, station usage, and user behavior, offering valuable insights for enhancing bike-sharing program accessibility and efficacy.

Predictive Modeling Of Cryptocurrency Prices Using Regression Analysis:

- led a group working on a Bitcoin price prediction project utilizing sophisticated techniques including XGBoost, LSTM, and ARIMA models on a dataset obtained from Yahoo Finance that covered the years 2014–2022.
- For improved analysis, feature engineering was used, and market indicators were investigated.
- XGBoost and LSTM were surpassed in forecasting accuracy by the ARIMA model. contributed knowledge in data modeling, data engineering, machine learning, and financial analysis while adhering to an organized CRISP-DM process.

Certifications

- Data Science Fundamentals with Python and SQL, Coursera
- Deep Learning specialization, Deeplearning.ai
- Python basics, University of Michigan, Coursera
- Oracle-certified database SQL
- Python workshop, MGIT Department of Computer Science
- Internet of Things workshop, BITS, Hyderabad.

The information provided is accurate to the best of my knowledge.