KOTI SAI SATYA MEGHANA

Mail ID: kssmeghana16@gmail.com
Phone No: +91 6301878089
LinkedIn : LinkedIn Link
GitHub : GitHub Link

Professional Summary:

Final-year BTech student specializing in Data Science, Machine Learning, and AI, with a strong foundation in Python, SQL, and Java. Experienced in data analysis, model development, and automation through multiple internships. Knowledgeable in network security principles and problem-solving with structured algorithms. Passionate about leveraging data-driven insights to create impactful solutions.

Skills:

Languages: Python, Java, SQL.
Technologies & Tools: TensorFlow, scikit-learn, Pandas, NumPy, Matplotlib, Git, GitHub, MySQL, AWS, Azure
ML Algorithms: Decision Trees, Random Forest, Logistic Regression

Internships:

Network Security Associate Virtual Internship, AICTE (Jan – Mar 2024)

- Learned fundamental network security principles, including encryption, firewalls, and intrusion detection.
- Gained hands-on experience in identifying vulnerabilities and implementing security measures to protect networks.

Data science, Machine Learning, AI, Datavalley – APSCHE (May – July 2024)

- Conducted a comprehensive study on advanced data science techniques at Datavalley- APSCHE, analyzing patterns and trends
- Derived significant insights into user engagement metrics for online video-sharing platforms over 8 weeks.

Data Engineering Virtual Internship, AICTE (Oct – Dec 2024)

- Gained hands-on experience in data processing, ETL pipelines, and database management using SQL and Python.
- Worked on optimizing data workflows and handling large datasets for efficient storage and retrieval.

Educational Qualifications:

Dadi Institute Of Engineering And Technology – Visakhapatnam — **Aug 2021 - Present**
BTech in CSE - Data Science — CGPA : 7.89/10.0

Relevant Course: Object Oriented Programming (Java, Python), Databases, Discrete Math's, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Data Mining, Advance Data Structures and Algorithms, Computer Organization and Architecture, Deep Learning.

Sri Chaitanya Junior College - Visakhapatnam — **Jul 2019 - Jun 2021**
Intermediate in MPC (Maths, Physics, Chemistry) — CGPA : 82.1/10.0

Bhashyam High School – Visakhapatnam — **Jun 2019**
SSC (Secondary School Certificate) — CGPA : 9.7/10.0

Project Work:

Live ChatBot : Developed an AI-powered chatbot capable of real-time user interaction and query resolution. Integrated natural language processing (NLP) to enhance user understanding and response accuracy. Designed for seamless deployment, improving customer engagement and automation efficiency**.**

Spam Mail Detection : Developed a spam email detection model using Logistic Regression, achieving 95% classification accuracy. Implemented advanced feature engineering techniques to improve model performance.Utilized Python and data visualization to analyze email patterns and enhance detection accuracy.

Awards & Certificates:

- Certified in Basics of Azure Fundamentals by Microsoft (December, 2022)
- Certified in Python for Data Science by IBM (December, 2022)
- Certified in Developing Generative AI Applications by EDX (October, 2024)
- Certified in Programming in Python by Internshala (July, 2023)
- Certified in AWS Data Engineering by AWS (March, 2024)

Additional Skills:

- Member of NSS Unit – Participated in social welfare and volunteering programs.
- ACM and CSI Membership – Attended technical workshops and hackathons.
- Successfully organized multiple events at the institute as an ACM member.
- Strong teamwork and collaboration skills, ensuring smooth coordination and effective communication within a team.

B. Tech Final Year Project

Crime Forecasting: Leveraging Data Science for Public Safety

- Developed a crime forecasting system using data mining techniques to analyze crime trends and predict future incidents. Collected and preprocessed real-world crime datasets using Python, pandas, and scikit-learn, applying feature engineering and exploratory data analysis (EDA) to extract insights.

- Implemented machine learning algorithms like Decision Trees, Random Forest, and Logistic Regression for crime classification and prediction. Optimized model performance using hyperparameter tuning and cross-validation. Integrated Matplotlib and Seaborn for data visualization, making crime patterns easily interpretable.

- Designed an interactive dashboard for real-time crime data monitoring, helping law enforcement agencies in decision-making. This project enhances public safety by providing data-driven crime prevention strategies and efficient resource allocation.