

Keerthi Reddy Nalla

+91 9989488432 keerthireddynalla2325@gmail.com [Linkedin/keerthireddy-nalla](https://www.linkedin.com/in/keerthireddy-nalla) [GitHub/keerthireddy-nalla](https://github.com/keerthireddy-nalla)

INTERNSHIP EXPERIENCE

Cipher Schools

June – Aug 2024

Python, Data Science Intern

- Developed and implemented recommendation models and machine learning pipelines using Python (scikit-learn, TensorFlow, Pandas).
- Built and optimized data pipelines for preprocessing large datasets, ensuring efficiency and reliability.
- Created interactive data visualization dashboards using Matplotlib, Seaborn, and Plotly.
- Worked with NoSQL and SQL databases (MongoDB, PostgreSQL) to store and manage structured and unstructured data.

Technologies Used: Python, Pandas, NumPy, Scikit-learn, MongoDB, PostgreSQL.

PROJECTS

Guessing Game with Python

Developed a Python-based number guessing game where players attempt to guess a randomly generated number. Implemented an infinite gameplay loop, allowing users to play multiple rounds while keeping track of their total guesses. Designed a scoring system that records the number of attempts per game and updates the player's final score based on correct guesses. Utilized Python's random module to generate unpredictable numbers, ensuring a dynamic gaming experience.

Blood Donors Website:

Developed a dynamic web platform to manage and connect blood donors with recipients in need. Implemented user registration and authentication, allowing individuals to sign up as blood donors and manage their profiles. Designed an intuitive search functionality, enabling users to find donors based on blood type, location, and availability. Built the website using HTML, CSS, and JavaScript, ensuring a responsive and user-friendly interface.

FIFA 2019 World Cup Power BI Dashboard

Developed an interactive Power BI dashboard to analyze and visualize key statistics and trends from the FIFA 2019 World Cup. Utilized Power BI features to transform raw tournament data into actionable insights, creating dynamic reports on match results, player performance, and team statistics. Designed and implemented compelling data visualizations within Power BI to effectively communicate complex tournament information.

COVID Data Analysis using MS Excel

Conducted comprehensive analysis of COVID-19 datasets utilizing advanced MS Excel capabilities, including PivotTables and charting tools. Processed, cleaned, and validated large volumes of COVID data within Excel to ensure accuracy and prepare for detailed analysis. Created insightful visualizations and summary reports in MS Excel to illustrate key trends, patterns, and regional comparisons in the data. Identified and presented key findings derived from the analysis of COVID data using MS Excel.

SKILLS

- Programming Languages:** Python, SQL, JavaScript, R, C++, Java
- Databases:** MongoDB, PostgreSQL, Power BI
- Big Data & Cloud Technologies:** AWS Redshift, BigQuery, AWS RDS, SQS/SNS, DataFlow, BigTable
- Web & Backend Development:** Node.js, React.js, REST APIs, Microservices, Caching, Asynchronous Processing
- Machine Learning & AI:** Recommendation Systems, Large Language Models (LLMs), TensorFlow, Scikit-learn, NLP
- Tools & Platforms:** Apache Airflow, Luigi, Docker, Hadoop, Kafka, Flume, Redis, Elasticsearch
- Soft Skills:** Problem-solving, Team Collaboration, Project Management, Adaptability

CERTIFICATES

- [Data Analysis with Tableau](#)
- [Excel Fundamentals for Data Analysis](#)
- [Python for Data Science, AI & Development](#)
- [R Programming](#)
- [GenAI for Everyone](#)

EDUCATION

- Lovely Professional University** Punjab, India
Bachelor of Technology - Computer Science and Engineering; CGPA: 7.11 Since August 2022
- Sri Chaitanya College** Hyderabad, India
Intermediate; Percentage: 95% April 2020- March 2022
- Siddhartha High School** Karimnagar, India
Matriculation; Percentage: 100% April 2019 - March 2020