KURUVA SREEKANTH

Kurnool, AP | (+91) 9652498571 | kuruvasrikanth86@gmail.com | LinkedIn | GitHub

Experience

Digital Specialist Engineer   Hyderabad, Telangana
Infosys Technologies Private Limited,   *July 2022 – Present*

- Led a team of 5 analysts in fine-tuning the LLMs, driving significant improvements in its performance on domain-specific tasks and facilitated knowledge transfer across the team
- Utilized Excel to perform various analyses, identifying and addressing edge cases and error patterns that hindered model performance. This detailed analysis helped in refining our approach to fine-tune the LLMs effectively
- Developed and curated specialized training datasets, conducted comprehensive evaluations with metrics and benchmarks, and devised problem-solving solutions based on evaluation results to enhance model performance
- Worked with PolyCloud team to develop and integrate a suite of GCP cloud services APIs—including SQL Server, MySQL, Cloud Scheduler, Firewall Rule Creation, and Storage bucket creation—into the OneStop Portal using the Python-Flask framework, with each module secured through Vault authentication.
- Played a key role in the migration of the entire OneStop cloud provisioning platform to the Backstage open-source framework by Spotify. Developed Terraform scripts for each GCP service module and automated cloud resource creation through pipeline scripts
- Designed the user interface for each module to enhance usability, enabling straightforward cloud resource creation. Migrated pipeline and YAML configurations to GitHub and integrated them into Backstage, and launched the updated platform for all OneStop users.

Software Development Engineer in Test   Hyderabad, Telangana
ValueLabs LLP, **Intern**, Clients: **Polestar**   *March 2022 – June 2022*

- Collaborated effectively within a team of software developers and successfully completed standalone tasks and developed an employee database system using Python and PostgreSQL, with a focus on RESTful API design
- Focused on performance testing of sample websites and APIs using Locust and LoadRunner tools, and leveraged Docker to create suitable environments for running locus scripts or load tests, enhancing the efficiency and reliability

Projects

Amazon Product Review Predictor | Python, ML, NLP, Jupyter Notebook

- Utilized Beautiful Soup and requests for web scrapping to extract data from Amazon, followed by statistical methods for insightful data cleansing, exploration and performed EDA to develop meaningful insights from raw dataset.
- Managed model development from labeling unsupervised data with VADER, building ML models, parameter tuning to increase efficiency, to creating a user-friendly Python-Flask web application and deploying it on Heroku

Heart Disease Classification Using Machine Learning Algorithms | MATLAB, Machine Learning

- Sourced 'ECGData' and carried out data pre-processing to prepare the dataset for the classification model. Additionally, generated new features through detailed analysis of existing ECG signal data and executed feature selection
- Trained three machine learning algorithms, specifically KNN, Random Forest, and SVM, achieving a high accuracy of nearly 94%. Also, calculated various performance metrics for all algorithms to assess their efficiency and reliability

RFID Secure Safe | RFID, Arduino

- Established a hardware setup for an RFID secure safe and coded up the functionality to initialize the reader module, define authorized user lists, and create functions for user addition, removal, and RFID tag detection user lists
- Enhanced security measures by implementing functions for limiting unsuccessful attempts, triggering alarms in case of tampering. Also ensured secure storage of RFID tag IDs through hashing techniques

Skills

Programming/Query Languages: C, Python, REST APIS, SQL, MATLAB
Data Science: Machine Learning, Natural Language Processing, Python for Data Science, LLMs
Other Technologies: Hadoop, Apache Spark, Hive, Sqoop, Google Cloud Platform, Terraform, Github, Backstage(open-source)

Education

G Pulla Reddy Engineering College (Autonomous) – CGPA: **8.91/10**   Kurnool, AP
Bachelor of Technology, Electronics and Communication Engineering   *July 2022*

Achievements/Certifications

- Presented a research on "Automatic heart failure detection using RFID" at college fest SANKETA
- Attended a workshop on Internet of Things at IIT, Hyderabad
- Google certified Cloud Digital Leader, Microsoft certified DP-900 Azure Data fundamentals
- Deep neural networks, Natural Language Processing Certifications - Coursera