Rithvin Koneru

rithvin16@gmail.com (862) 777-1901 Jefferson, NJ Portfolio Website LinkedIn

Skills

- **OOP Languages**: Java, Python, C, Ruby, OCaml, Rust
- **Developer Tools:** Git, Agile Methodologies, Unix/Linux, GitHub, Azure DevOps
- **Cloud Computing:** Google Cloud Platform(GCP), Google Cloud Digital Leader Certification(In Progress)
- **Data Analysis Tools:** SQL, NumPy, Pandas, Matplotlib, Microsoft PowerBI, R
- **ML Tools:** TensorFlow, Keras, Google Colab/Jupyter Notebooks, Generative AI(Vertex AI)
- **Platforms/IDEs:** Visual Studio Code, Eclipse, PyCharm

Experience

SOFTWARE ENGINEER INTERN/CO-OP

UPS | Parsippany, NJ | May 2023 – Present

- Developing software to migrate UPS legacy payroll systems to Google Cloud Platform using cloud application development tools such as BigQuery, GCE, and Cloud Code.
- Utilizing software test frameworks and tools(TestNG, JMeter, Maven, Selenium) to develop automated test scripts for performance/integration E2E testing of the payroll application.
- Transforming testing data of the new payroll system hosted in Cloud SQL and Cloud Storage into PowerBI reports to gain insight into feedback from occurring developments.

DATA SCIENCE CO-OP - SPRING 2023

HCL America | Remote | Jan. 2023 – May 2023

- Contributed to data management projects related to data analysis and back-end application development for client needs using Python and Machine Learning practices.
- Learned AI model training fundamentals and data manipulation to interpret incoming company data regarding customer transactions/purchase trends throughout the prior quarter using Python, Pandas, and Matplotlib.

UNDERGRADUATE RESEARCH ASSISTANT - SPRING 2022

University of Maryland | College Park | Jan. 2022 – May 2022

- Worked with the Worldwide LHC Computing Grid, a computer-based particle accelerator simulation. Modeled data to interpret trends across simulations to adjust and improve machine runs.
- Utilized Python data analysis programming within the Linux operating system to study and organize incoming simulation results data using NumPy, Pandas, Matplotlib libraries.

Education

UNIVERSITY OF MARYLAND

Bachelor of Science in Computer Science(Data Science Focus); General Business Minor

College Park, MD | Aug. 2021 - Dec. 2024(Expected) | GPA: 3.7

Relevant Coursework: Object-Oriented Programming, Algorithms, Data Structures, Discrete Math, Computer Systems, Linear Algebra, Calculus I and II. Pursuing upper level specialization track in data science.

Projects

- ****AI Model for Predictive Heart Failure** - IN PROGRESS:** Creating an AI model which reads patient data and provides a prediction as to whether they will be prone to heart failure and possible mortality. Utilizing Tensorflow, NumPy, Pandas, Matplotlib, and Seaborn for data manipulation.
- **UPS Hackathon Project** - Developed a mobile app solution for third-party UPS vehicle drivers to register their personal vehicles and receive assigned packages for delivery. Packages are assigned based on a developed algorithm in Python and SQL queries of driver, vehicle, and package data.
- **Portfolio Site** - Created a web page hosted on GitHub and programmed in HTML and CSS/SCSS which provides info regarding my current projects, coursework, and background.