Arya Narke

(513) 837-6747 | narkean@mail.uc.edu | linkedin.com/in/aryanarke | github.com/aryanarke2003

EDUCATION

University of Cincinnati **Cincinnati, Ohio**

Bachelor of Science in Computer Science **Graduation: April 2025**

Certificate in Software Engineering, Minor in Mathematics, University Honors Program, Dean's List **GPA: 3.88**

WORK EXPERIENCE

Software Engineer Intern | *Phillips Edison & Company, Cincinnati, OH* **August 2023 - August 2024**

- Designed and deployed a full stack utility tracking solution for 350+ company properties, creating an interactive website leveraging Python, Flask, Spark, SQL, resulting in 20% reduction in manual data entry errors and improved cost tracking
- Automated utility bill extraction using REST APIs and SQL data warehouses to streamline data management and precision
- Automated the ETL of 400+ daily emails using Azure AI Studios and Azure Data Factory, cutting processing time by 95%
- Contributed to "AskLeases" chatbot leveraging GenAI and LLMs for improved tenant inquiry response time and accuracy
- Implemented testing frameworks using PyTest and CI/CD pipelines via DevOps to enhance software reliability and QA

Enterprise Applications Intern | *Phillips Edison & Company, Cincinnati, OH* **January 2023 - April 2023**

- Engineered and optimized full-stack web applications using SQL, Python, and Azure Studios, significantly enhancing operational efficiency and meeting cross-departmental business needs
- Developed a cloud-based system utilizing PowerShell, Power Automate, and Azure Logic Apps to automate daily data retrieval and updates for the company's corporate website, ensuring real-time availability of property information
- Implemented a document abstraction application using Azure OpenAI services, driving $120K in cost savings per year
- Created dynamic data visualizations and interactive dashboards using Power BI, providing actionable insights

Supplemental Instructor | *University of Cincinnati Learning Commons, Cincinnati, OH* **August 2022 - Present**

- Create and implement 1000+ content-driven review sessions for Statistics, Calculus, and Chemistry courses, leading to a 25% improvement in student exam scores and a 100% increase in session attendance each year
- Design Math coursework tailored to diverse student needs, improving student readiness for college-level math by 30% as measured by pre and post-course placement tests, with increased engagement across all proficiency levels

Data Research Intern | *Future Wellness Group, Sydney, Australia - Remote* **June 2022 - August 2022**

- Conducted data preprocessing, feature engineering, and data restructuring based on demographics on healthcare databases to optimize prediction models for chronic diseases and mental health conditions
- Developed and implemented data manipulation protocols for a dataset of over 500,000 patient records, enhancing the efficiency of AI & ML model training, leading to more reliable healthcare insights

ACADEMIC PROJECTS

84.51° Data Visualization

- Developed an interactive web application using Flask, HTML5, CSS3, JavaScript, React.js, integrated with MySQL and Azure Web Apps to visualize and analyze large datasets related to Kroger customer demographics and spending habits
- Utilized NumPy, Pandas, PySpark, and Scikit-learn for data processing, feature engineering, and analysis of large datasets
- Implemented machine learning models including linear regression and K-Nearest Neighbors to predict key factors influencing customer spending, enabling dynamic data uploads and real-time updates to visualizations and predictions

CampusQuery – NLP Based College Inquiry Chatbot on GCP

- Developed a full-stack, college inquiry chatbot using React.js, Node.js, hosted on Google Cloud Platform (GCP) to automate student interactions and provide instant responses to queries about college details, courses, and fee structures
- Leveraged Google DialogFlow for Natural Language Processing (NLP), enabling the chatbot to accurately interpret and respond to various student inquiries, enhancing user experience with contextual understanding
- Deployed app using Google App Engine integrated with Compute Engine for scalability and efficient resource management

SKILLS

- **Programming Languages:** Python, C, C++, C#, SQL, JavaScript, MATLAB, HTML, CSS, LabView, PowerShell, VBA
- **Cloud & DevOps:** Azure, GCP, AWS (EC2 & S3), Docker, Git, Power Platform, DevOps, Agile
- **Data Engineering & ML:** Pandas, NumPy, PySpark, Scikit, Matplotlib, MongoDB, Jupyter Lab, Databricks, LLM, ETL
- **Technologies/Frameworks:** Linux, Flask, IBM Db2 Warehouse, Power BI, API, React, Tailwind CSS, Node.js

HONORS & CERTIFICATIONS

- Microsoft Azure AI Fundamentals Challenge
- IBM Certification in Databases and SQL for Data Science with Python