Michael Munakash

michaelmunakash@gmail.com | +1 (707) 853-8021 | michael-munakash-portfolio.vercel.app | linkedin.com/in/michael-munakash

EDUCATION

University of Nevada Reno (ABET-Accredited) | Expected Graduation: May 2025
Major: Computer Science and Engineering
Minor: Big Data, Mathematics
Study Abroad – Turin, Italy – Spring 2023
Coursework: Applied Data Science, Categorical Data Analysis, Database Design & Implementation, Database Management Systems

SKILLS

Technical Skills: Python, Pandas, Beautiful Soup, Requests, Matplotlib, SQL, SQL Server Management Studio, PostgreSQL,

PROJECTS

Campus Navigation Mobile Application (Flutter – Dart – Python – MariaDB – SQLAlchemy – Android Mobile Emulator)
1st Place Global Impact Award Winner
- Won the Global Impact Award amongst all engineering programs with a team of four collaborating to create a mobile campus navigation app as our Senior Project.
- Allows students to view the UNR campus map and generate personalized routes based on current location and desired destination. Routes can be altered based on the brightness preference set in the settings page. Safety Pins can be placed anywhere on the campus map with a description of the issue for others to be notified.
- Collected light data by walking around campus at night with a light sensor and entered them in an Excel sheet.
- Implemented a MariaDB to store and manage user information such as roles, saved routes, safety pins, etc. Utilized SQLAlchemy to communicate between the database and the application to gather or enter user data.

NBA Offensive Statistical Dashboard (Power BI – Python – Pandas – Requests – BeautifulSoup)
- Obtained statistics for the league averages of NBA offenses for the past 20 seasons. Conducting an in-depth examination of evolving offensive trends and comparative analysis of playing styles across different years.
- Obtained the statistics on the website: https://www.basketball-reference.com. Used BeautifulSoup and Requests to successfully scrape 20 tables of data – one for each NBA season
- Utilized Pandas to store data in a Data Frame and visualize the results on a Power BI dashboard.
- Analysis includes: the impact of the three-point shot, the prevalence of isolation basketball, the perception of a "softer" NBA, and the decline in defensive play.

Food Journal Web App (Python – PostgreSQL – HTML – Flask – Psycopg2)
- Designed and implemented a user authentication system with secure account creation, password confirmation, and login validation, ensuring user credentials are verified against stored database records.
- Developed a comprehensive fitness journal web application allowing users to track progress, set weight goals, document exercises, and monitor nutritional intake with data saved to a PostgreSQL database.
- Built an interactive web application using Flask, integrating a PostgreSQL database to store and display user-specific information in real time through Psycopg2, ensuring seamless data management and retrieval.

CERTIFICATIONS

Data Engineering Foundations Specialization – IBM – Coursera – Feb 2025
- Acquired expertise in ETL, data structures, APIs, Pandas, NumPy, relational databases, SQL queries, and database design while gaining working knowledge of the Data Engineering Ecosystem and Lifecycle, and insights from professionals
- Project: Developed an ETL system with web scraping to extract financial data of the 10 largest banks by market capitalization, convert values to multiple currencies, and store the results in a SQL database for quarterly reporting.

Data Science Fundamentals with Python and SQL Specialization – IBM – Coursera – Jan 2025
- Attained experience with data science tools, Python libraries, SQL, and statistical techniques such as visualization, hypothesis testing and regression.
- Project: Scrapped financial data for Tesla, Amazon, and GameStop using Python to visualize and analyze trends and patterns

PROFESSIONAL EXPERIENCE

Process Improvement Engineer Intern | Novo Logistics   **May 2024 – Aug 2024**
- Identified and resolved errors within the Warehouse Management System that could potentially disrupt production.
- Conducted cycle counts of inventory, entered findings in Microsoft Excel, and compared results with WMS data to ensure accuracy of inventory records.
- Communicated with customers to give an update on their production status.