Nishit Shah

Charlotte, North Carolina | (940) 843-5986 | nshah75@charlotte.edu| Github| LinkedIn| Portfolio

EDUCATION

Master of Science in Computer Science   **August 2023 - May 2025**
University of North Carolina at Charlotte, North Carolina, United States

Bachelor of Technology in Computer Science and Engineering   **July 2019 - May 2023**
Vellore Institute of Technology, Vellore, Tamil Nadu, India

TECHNICAL SKILLS

Programming	: Python, R, MySQL, PostgreSQL, MongoDB, JavaScript, Java
Tools	: Tableau, Power BI, Microsoft Excel, Microsoft Project, Google Data Studio, Google Analytics, Google Cloud Platform, Git, Mage AI, Postman, REST APIs, Jira
Libraries and Frameworks	: Pandas, NumPy, PyTorch, Scikit-learn, Tensorflow, PySpark, Seaborn, Matplotlib, React, Node, Express, Next, Ggplot2
Core Competencies	: Data Analysis, Data Visualization, Data Engineer, Cloud Technologies, Big Data, CI/CD Pipelining, Data Structures, Algorithms, Full Stack Development, API Development, Collaboration, Analytical

PROJECTS

Uber Data Engineering Pipeline *[Python, SQL, Google Cloud, Looker Studio]*   **December 2024**
- Developed a comprehensive **data model** for the Uber dataset, transforming raw CSV files into relational table structures using **Python and SQL**, and built a scalable data pipeline with **Mage AI** to process and transform over 100,000 ride records, enabling efficient exploratory analysis in **BigQuery**.
- **Visualized** key trends and patterns in Uber ride data using **Looker Studio**, providing actionable insights into ride operations and **improving query performance by 15%.**

London Bike Sharing *[Python, SQL, Tableau]*   **November 2024**
- Executed an **end-to-end data analysis** project on London Bike Sharing data, leveraging **Python and Kaggle library** for data extraction, followed by data cleaning and standardization to ensure data accuracy and consistency for analysis.
- Conducted exploratory data analysis using **SQL** to identify key usage patterns and trends, and developed dynamic Tableau dashboards to visualize insights, enabling actionable business decisions and enhancing operational efficiency.

Fitness Trend Analysis *[SQL, Tableau, Google Cloud]*   **October 2024**
- Analyzed fitness device data to uncover consumer behavior patterns related to daily steps, sleep, and heart rate, providing actionable insights to inform marketing strategies and improve product targeting.
- Utilized **SQL** for in-depth data analysis and **Tableau** for visual storytelling, effectively communicating trends and recommendations to key stakeholders to enhance business decision-making processes.

PROFESSIONAL EXPERIENCE

Graduate Teaching Assistantship   **January 2024 – Present**
University of North Carolina at Charlotte   *Charlotte, NC*
- Assisted Professor Bryan Dobbs in conducting interactive and engaging lectures for the **Software Development and Data Science projects**, providing valuable insights into methodologies and best approaches.
- Collaborated with students on hands-on coding exercises, project development, and troubleshooting, fostering a dynamic learning environment and contributing to overall success.

Web Development Intern   **December 2022 - February 2023**
Phable   *Bangalore, India*
- Enhanced the live website and microsite of Phable using **Next.js, HTML, CSS, and SCSS**, leading to a **20% increase** in user engagement and a **10% growth** in overall traffic. Collaborated with senior developers to resolve frontend and backend bugs, ensuring seamless functionality, and wrote **Node.js** scripts to optimize backend data operations.
- Implemented **Agile** methodologies through Jira, streamlining task management and reducing task completion time **by 20%.** Actively participated in **sprint planning**, and task allocation demonstrating strong organizational and teamwork skills.

Software Engineer Intern   **May 2022 - June 2022**
Softwel Pvt. Ltd.   *Kathmandu, Nepal*
- Developed a user data storage web application, harnessing the power of **C#.NET** development and **SQL** achieving a **10% reduction** in data success time. Translated design specifications into code, resulting in a **25% reduction** in system bugs.
- Collaborated with senior software engineers to evaluate application modules, contributing **15% increase** in module efficiency and streamlined user experience ensuring flawless operation and peak performance of the software.

CERTIFICATIONS

Coursera: Google Data Analytics *[Data Analysis, Case Studies, Data Visualization, SQL, Problem-Solving, R, Data Aggregation]*
Datacamp: Introduction to Statistics in Python *[Correlation, Statistical reasoning, Scatterplot, Probability, Distribution]*