

Muhammad Ali

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EDUCATION

Mercer County Community College | *B.S Computer Science and Business - GPA: 3.6/4.0*

May 2027

Relevant Coursework: Machine Learning, Data Structures & Algorithms, Object-Oriented Programming

SKILLS

Language: Java, Python , Bash, HTML/CSS, SQL, Javascript

Technologies & Platform: Google Cloud Platform , Git/Github , API's , Jupyter Notebook , Windows, Tableau, Power BI

Data Skills: Analytics, Research, Statistics, Data Modeling, Data Management

UI Frameworks/Tools: ReactJS, Node.js, TensorFlow, NumPy, Pandas, Tableau, Power BI, AI/ML tools ReactJS, Node.js

WORK EXPERIENCE

Rees Scientific

Trenton, NJ

Data Analyst Intern

July 2025-Present

- Designed and implemented interactive dashboards using **Tableau** and **Power BI** to visualize key operational metrics, including temperature deviations and equipment alerts, enabling proactive decision-making and enhancing system uptime.
- Collaborated on **data modeling** initiatives to ensure robust data integrity for calibration records, streamlining data validation processes.
- Leveraged **SQL** and **Python** to develop and optimize data extraction pipelines for over 500 environmental monitoring sensors, significantly improving data accessibility and reliability for analytical purposes.

TechThought.org

Hampton, NJ

AI Software and Systems Development

May - July 2025

- Designed an autonomous content pipeline using **Google & X.com APIs** to fully automate the news aggregation and publication workflow.
- Engineered the system to automatically **publish 4 high-impact tech articles daily**, generating a content library of over **400 posts**.
- Drove a **60%** increase in user engagement across **digital platforms** by delivering a consistent and relevant AI-curated content stream.
- Designed a data integration module to parse and validate information from **50+ verified sources**, ensuring high standards of content quality.

Johnson & Johnson

Raritan, NJ

Contracting Solution Intern

May - August 2024

- Streamlined SaaS migration preparation by analyzing **400+ Q-Test** scripts and automating workflows, enhancing testing efficiency by **55%**.
- Achieved **98% accuracy** in the Traceability Matrix for MedTech upgrade, ensuring robust requirement-to-test traceability.
- Spearheaded file organization and off-site storage management, reducing document retrieval time by **30%**.
- Designed promotional assets that boosted fundraiser visibility by **40%, contributing** to a **\$2,000** total for Feeding America.

ACHIEVEMENT AND AWARDS

Samsung Solve for Tomorrow

Princeton, NJ

Lead Researcher & Developer

January 2021-May 2023

- Designed a sustainable soap product using bug oil, leading the team to win the contest and a **\$200,000** prize.
- Built an **Arduino-powered automated system** for cultivating soldier flies, increasing production efficiency by **50%**.
- Presented innovative solutions to a panel of judges, showcasing expertise in automation and sustainability.

LEADERSHIP EXPERIENCE

MCCC Muslim Student Association

West Windsor, NJ

President

September 2023-present

- Managed a **\$40,000** annual budget, optimizing resources to ensure financial stability.
- Led fundraising initiatives, raising **\$5,000** to support underprivileged children through events like an Art Gala and Pie-A-Member.