Talha Choudhry

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EDUCATION

New Jersey Institute of Technology | Newark, NJ   Anticipated Graduation: May 2026
Bachelor of Science in Computer Science

County College of Morris | Randolph, NJ   Graduated: Dec 2023
Associate of Science in Computer Science

Enrolled Courses: Advanced Database Systems, Intensive Programming in Linux
Completed Courses: Programming Language Concepts | Data Structures and Algorithms | Intro to Data Science | Database System Design & Mgmt

SKILLS

Programming Skills : Python, Java, Tableau, R, SQL, C++, C, HTML, CSS, Pandas, NumPy, Data Cleaning
Core Skills : Software Development | Testing and Debugging | Software Installation | Data Structures | Algorithms | Machine Learning and Data Analysis

WORK EXPERIENCE

Walmart   *JULY 2024 – PRESENT*
Digital Team Associate
- Optimized order fulfillment by utilizing efficient order picking strategies and techniques to increase customer satisfaction rate.
- Solved complex order discrepancies and improved process workflows through analytical problem-solving and data management.
- Constantly familiarized with new software updates on picking hardware, mastered the latest UI developed for the role.

Server Tech Supply Inc   *JUNE 2024 – AUG 2024*
Cybersecurity & IT Intern
- Authored and maintained SOPs for secure system administration.
- Participated in Agile sprint meetings, documented and tested product quality.
- Shadowed senior engineers in designing network security solutions.

T-Mobile   *OCT 2021 – JAN 2023*
Mobile Expert
- Delivered Tier-1 tech support and guided customers on mobile security features.
- Created user-friendly troubleshooting documentation for mobile systems.
- Trained new employees on customer resolution protocols and device configuration.

PROJECTS

SaaS Application (SQL) **–** *Database System Design & Mgmt*   *JAN 2024 – MAY 2024*
- Developed front-end interface for interactive star chart visualization.
- Back-end processed inputs, retrieved celestial data from SQL database.
- Used RabbitMQ to manage communication between services.
- Enabled real-time sky exploration based on location, date, and preferences.

Life Expectancy Predictor (Python, sickit-learn) **–** *Intro to Data Science*   *NOV 2023*
- Collaborated on machine learning project predicting life expectancy using WHO data from kaggle.
- Cleaned and preprocessed 22 features applied one-hot encoding, and removed rows with null values.
- Implemented and trained Multiple Linear Regression and Decision Tree models (CART, MSE loss).
- Evaluated models using MAE, MSE, RMSE, and R^2; Decision Tree achieved best results ($R^2 = 0.87$).
- Analyzed key predictors including adult mortality, HIV/AIDS, schooling, and GDP for feature importance.

Postfix Expression Evaluator (Java) - Data Structures and Algorithms   *NOV 2022*
- Designed and implemented a stack-based calculator to evaluate postfix expressions using Java.
- Built a custom generic LinkedStack class following a defined StackInterface with core stack operations.
- Parsed string tokens to identify operands and operators, and evaluated expressions in real time.
- Used exception handling to manage stack underflow and invalid expression cases.
- Verified functionality through multiple test cases and ensured modular, object-oriented structure.

2 Player Dice Game (Java) - Data Structures and Algorithms   *OCT 2022*
- Created object oriented two-player dice game in Java.
- Implemented turn-based gameplay, score tracking, and input validation.
- Emphasized modular design and debugging techniques.