

# NIYATI TRIVEDI

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## EDUCATION

**Pace University, Seidenberg School of Computer Science and Information Systems**

New York, NY

Master of Science (MS) in Computer Science | Concentration: Python Programming & Artificial Intelligence

May 2024

## SUMMARY | RELEVANT COURSEWORK

Software engineer with experience in test automation, embedded systems, and IoT devices. Seeking full-time software engineering role focusing on validation testing and quality assurance for wireless and networking devices.

Computer Science | Java | Computer Systems & Concepts | Database Management Systems (DBMS) | Python Programming | Algorithms & Computing Theory | Concepts & Structures in Internet Computing | Artificial Intelligence | Introduction to Parallel Computing | Data communications and Networking | Mobile Application Development

## TECHNICAL SKILLS

**Web Technologies:** C/C++, SQL, JavaScript, CSS, Java, Python, Cloud, CRM, Oracle VM Machine, Wireshark

**Operating System:** Linux, Android, FreeRTOS, Windows

**Libraries:** OpenCV, Pandas, NumPy, Matplotlib, Docker, Git

**Frameworks:** Docker, Node.js, Express, JSP, Bootstrap, MongoDB

**Applications:** Git, JIRA, Jenkins, Ubuntu, Jupiter, Visual Studio Code, CICD

**Certifications:** Technical Support Fundamentals - Coursera, **Google**, AWS Cloud Practitioner Essentials, **AWS**, Machine Learning Development Course, **Tata Consultancy Services**

## VIRTUAL WORK SIMULATIONS

**Verizon, Cloud Platform Virtual Work Simulation The Forge**

September 2023

- Analyzed user access list to ensure least privilege access to avoid external network.

## ACADEMIC PROJECTS

**Bargain Hunters**

January 2024 – Present

- Pioneered 'Bargain Hunter,' a platform revolutionizing second-hand trade and student lodging, leading to a 35% surge in student financial gains.
- Engineered a Jenkins and AWS collaborative environment on GitHub, streamlining deployments, cutting errors by 30%, and enhancing system reliability.
- User-friendly features for browsing and listing items were implemented, complemented by collaborative efforts with stakeholders to enhance usability and functionality, ensuring an optimal experience for the target audience.

**IoT Home Automation System**

March 2023 – April 2023

- Developed C++ and Python programs on Raspberry Pi to control home devices and appliances.
- Gained hands-on experience with embedded systems programming and IoT protocols.

**Customer Churn Prediction Model**

March 2023 – April 2023

- Built machine learning model in Python to predict customer churn using Gradient Boosting.
- Achieved 100% accuracy in identifying customers at risk of churn.

**Software Design for Warehouse Management System**

November 2022 – December 2022

- Software designed to optimize operational processes in a warehouse 100%.
- Detect full visibility into real-time inventory levels and order fulfillment workflows within a warehouse.

## PROFESSIONAL EXPERIENCE

**GAO Tek Inc., New York, Technical Support Intern**

August 2023 - November 2023

- Troubleshoot network, hardware, and software issues, increasing issue resolution by 80%.