

Waleed Alim

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Education

New Jersey Institute of Technology
Bachelor of Science in Computer Science

Newark, NJ
Expected May 2026

Experience

United Parcel Service (UPS)

Software Engineering Intern

Mahwah, NJ
June 2025 – Aug 2025

- Built migration pipeline from on-premises version control to GCP using Terraform, automating cloud resource provisioning
- Reduced manual migration effort by 30% through Python and Bash automation scripts for data validation
- Collaborated with Database and DevOps teams to integrate Terraform infrastructure with CI/CD pipelines
- Documented Infrastructure-as-Code standards and Terraform modules to accelerate cloud adoption

Headstarter AI

Software Engineering Fellow

New York, NY
May 2024 – May 2025

- Led the development of innovative Artificial Intelligence projects, utilizing modern technologies to solve complex problems
- Acquired strong foundation in Agile methodologies and cloud-based infrastructure through mentorship from industry leaders

ICMC

Weekend School Teacher

Rockaway, NJ
Aug 2023 – Present

- Instructed small classes of 15-20 students at a time to strengthen their understanding of relevant studies and values, while monitoring individual and collective progress
- Achieved a remarkable 20% increase in test scores compared to the previous year's scores, demonstrating the effectiveness of tailored teaching methods and curriculum development

Kumon

Instructor

Parsippany, NJ
Sept 2019 – May 2025

- Facilitated personalized learning experiences for students in math and reading, tailoring instruction to meet each students needs and abilities
- Successfully managed student body of over 500 enrolled students, achieving the highest enrollment figures in the northeast region
- Conducted regular assessments to evaluate students' progress, identifying areas for improvement

Projects

Appointment Management System

July 2024

- Developed a secure, scalable appointment management system using Node.js, React, and MongoDB, integrating automated reminders, and real-time updates for enhanced efficiency
- Implemented robust data encryption and access controls for increased security

Bank System Design

May 2024

- Designed a relational database system using Oracle SQL Developer and SQL to facilitate bank operations, covering branches, customers, employees, accounts, loans and transactions
- Designed an ER model and schema, defining relationships and constraints for accurate data management
- Implemented complex SQL queries for multi-table joins and sub-queries, optimizing data retrieval and management

Stock Market Ticker

Nov 2023

- For the NJIT hackathon, we created a Next.js app with TypeScript, React, and Tailwind for a dynamic stock market page
- Integrated a Polygon API to retrieve real-time stock data, allowing users to input stock tickers and select time ranges from day, week or month for a responsive and interactive chart

Virtual Network Design Project

Oct 2022

- Designed a fully functional Local Area Network with various routers, switches, and end devices
- Performed IP addressing on all devices in a network to allow packets/messages to be sent through multiple routers
- User end devices were IP configured to intercommunicate within the network

Personal Portfolio Website

Nov 2021

- Designed and maintained a professional personal website portfolio, showcasing computer science projects, skills, and accomplishments

Skills

Languages: Java, Python, C, C++, JavaScript, SQL, Ruby, Go, TypeScript

UI/Web Technologies: HTML, CSS, React, Node.js, jQuery, JSON

Cloud & DevOps: Google Cloud Platform (GCP), Terraform, Azure, AWS, Git