

# Meer Modi

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## EDUCATION

### New Jersey Institute of Technology

Newark, NJ

Bachelor's of Science in **Computer Science**

Expected December 2025

- Cumulative GPA: 3.75 / 4.0
- Dean's Scholar: Fall 2022, Spring 2023, Fall 2023, Spring 2024

## WORK EXPERIENCE

### P&F Solutions

Online, NJ

Cloud Engineering Intern

August 2024 – Present

- Applied knowledge of cloud fundamentals, Terraform, and Ansible to design and implement scalable cloud solutions, improving deployment efficiency by 25%.
- Configured virtual machines, software-defined networks, and storage with a focus on security and governance.
- Created network diagrams, backup/recovery plans, and disaster recovery designs for efficient cloud management.

### New Jersey Courts

Bridgeton, NJ

Software Developer - IT Analyst 1 Intern

June 2024 – Present

- Lead the planning and development of an inventory management system using Microsoft Power Apps and Power Automate (Flows). Effectively integrated Azure Active Directory and databases, enhancing inventory tracking accuracy by 20%.
- Managed IT tickets and Microsoft Azure cloud configuration for over 500 court employees and enhanced operational stability, security, and uptime of IT systems within the judiciary.
- Configured and deployed workstations with custom operating systems and applications. Assisted in re-engineering efforts to migrate from legacy technology to new technology.

### New Jersey Institute of Technology

Newark, NJ

Teaching Assistant - Data & Computer Science

January 2023 – Present

- Facilitated learning by teaching fundamentals of Java and Python, along with core software development concepts of Object-Oriented Programming (OOP) and Data Structures and Algorithms (DSA).
- Evaluated assignments and hosted over 20 labs for Data Science and Computer Science courses.
- Provided expert guidance in debugging and software troubleshooting to solve any technical or software issues.

## PROJECTS

### Financial Assets Analysis Software - Flutter Multiplatform

- Technologies & Frameworks Used: **Flutter, Dart, Firebase, Microsoft Azure, Terraform, Python, CoinMarketCap API.**
- Engineered a modern Flutter application to fetch, analyze, and display market data for stocks and cryptocurrencies. Incorporated APIs for real-time market data integration and Firebase for secure user authentication.
- Deployed Azure Functions and SQL databases using Terraform to build a comprehensive historical market data database and integrate this data to generate interactive graphs for advanced data analytics and market analysis.

### Chess Application - Java, JavaFX.

- Engineered a sophisticated Chess application with a responsive graphical user interface, intuitive drag-and-drop mechanism, precise event handling, and a robust move validation system to ensure strict adherence to chess rules and achieving 100% accuracy.

### Marine Navigation & Mapping Software

- Technologies Used: **Microsoft Maps API, Marine Traffic API, PHP, MySQL, JavaScript, Bootstrap, HTML.**
- Led the development of a marine mapping software, a dynamic web application offering real-time global ship tracking, shortest route calculations, and detailed port information for efficient navigation.

## CERTIFICATIONS

- Microsoft Azure (AZ 900)
- Google Data Analytics

## SKILLS

**Programming Languages and Frameworks:** Java, Python, Flutter, Dart, C++, JavaScript, Kotlin, PHP, JavaFX, HTML, CSS, ElectronJS.

**Cloud and Data Science:** Microsoft Azure, AWS, Terraform, SQL, Firebase, Pandas, NumPy.

**Software Engineering:** Data Structures & Algorithms, Object-Oriented Programming, API Integration, Software Troubleshooting & Debugging, Microsoft Power Apps, Power Automate (Flows), Office 365, GitHub, Salesforce.

## LEADERSHIP & AWARDS

**NJIT Cricket | Club** - Event Coordinator

Newark, NJ | September 2023 – Present

**NJ Technology Student Association | Award** - Web Development

Roselle Park, NJ | June 2022