

# Meer Modi

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## EDUCATION

### New Jersey Institute of Technology

Newark, NJ

Bachelor of Science in **Computer Science**

December 2025

- Cumulative GPA: 3.6 / 4.0, Dean's Scholar

## WORK EXPERIENCE

### Factory Mutual

Remote, NJ

Software Developer

Jul 2025 - Present

- Fixed critical production bugs, designed and developed feature requests, and resolved user reported issues across the Polaris application. Implemented complex React/TypeScript components with GraphQL integration, Node.js backend, and Hasura GraphQL engine for real time data management serving 1200+ users.
- Followed Azure DevOps CI/CD workflows with mandatory PR approvals progressing through Dev,QA,UAT, and Prod environments, tracked and prioritized production bugs using Kanban boards, ensured code quality through peer reviews and automated testing, and maintained deployment standards via Docker containerization.
- Collaborated across multiple teams and product owners using Agile methodologies including daily stand-ups and sprint planning.

### New Jersey Courts

Remote, NJ

Cyber Security Project Manager - Capstone Project

Sep 2025 – Dec 2025

- Architected and managed the development of a security-first fraud detection platform, integrating Azure OpenAI-powered threat analysis, encrypted PostgreSQL storage, APIs, and automated alerting pipelines, reducing fraud detection time from 40 hours to 5 minutes while processing 4,000+ monthly transactions.
- Designed and developed end-to-end workflows, technical documentation, risk thresholds, and reporting pipelines.

### Merck & Co.

Rahway, NJ

Cloud Engineering Intern

Jun 2025 – Jul 2025

- Designed and implemented an enterprise-grade AI Agents with LangChain on AgentGPTeal, which enables autonomous ticket creation, editing, prioritization, and AI-powered contextual retrieval via natural language input.
- Deployed Model Context Protocol (MCP) servers integrating GitHub Copilot with standardized AWS IaC Terraform modules, implementing semantic code analysis, compliance validation pipelines, and automated security policy enforcement to ensure AI-generated infrastructure code adheres to Merck's enterprise security frameworks.
- Led initiatives within Merck's BlueSky Edge program, a Generative AI initiative to modernize legacy applications and achieve \$20M in operational cost reduction through development of Agentic AI, MCP servers, and multi agent orchestration pipelines.

### New Jersey Courts

Bridgeton, NJ

IT Analyst 1 Intern

Jun 2024 – Dec 2025

- Assisted in planning, designing, and implementing technology rollouts, including Windows Server administration, Group Policy management, MECM software, and Azure AD configurations. Delivered technical support to 500+ employees.
- Delivered technical support to 500+ employees through IT Helpdesk, collaborating with stakeholders using Microsoft Teams and Outlook through Agile processes and troubleshooting and resolving hardware/software issues.

### New Jersey Institute of Technology

Newark, NJ

Teaching Assistant - Data & Computer Science

January 2023 – December 2025

- 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).

## SKILLS

**Languages:** Java, Python, C++, C#, JavaScript, TypeScript, Node.js, React.js, Express.js, Flutter, HTML/CSS, Objective-C, HTTP

**Cloud & DevOps:** Azure, AWS, Terraform, Docker, CI/CD Pipelines, Git, GitHub, MongoDB, SQL, GraphQL, Firebase, Hasura

**AI/ML & Enterprise Tools:** TensorFlow, Keras, Scikit-learn, Pandas, NumPy, Agentic AI, GitHub, JIRA, Confluence, Power Apps, Power Automate, Office 365, RESTful APIs

**Skills & Certifications:** Agile/Scrum, Linux, Computer Networks, AZ-900

## PROJECTS

### Financial Assets Analysis Software

- Technologies Used: **Flutter, Dart, Firebase, TensorFlow, Machine Learning, Python, Pandas, NumPy, API, Azure Functions.**
- Engineered a full stack application to fetch, analyze, and display real-time stock and cryptocurrency data with ML-powered price prediction capabilities.