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 — Remote, NJ
Cloud Engineering Intern — August 2024 – Present
- Applied knowledge of Cloud Computing, Network design, and Terraform to design and implement scalable cloud architecture, utilized best practices and automation to improve 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, disaster recovery designs, and technical documentation, reducing potential downtime by 20%.

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 SQL databases, enhancing inventory tracking accuracy by 20%.
- Managed IT tickets and Azure cloud configurations for over 500 employees, enhancing system stability, security, and uptime.
- Configured and deployed workstations with custom operating systems and applications. Assisted in re-engineering efforts to migrate from legacy software to new.

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).
- Provided expert guidance in debugging and software troubleshooting, resolving 95% of technical issues within 24 hours, ensuring smooth lab operations and student progress.

PROJECTS

Financial Assets Analysis Software - Mobile Application
- Technologies Used: **Flutter, Dart, Firebase, TensorFlow, Machine Learning, Python, Pandas, NumPy, API, Azure Functions.**
- Engineered a full stack Flutter application to fetch, analyze, and display market data for stocks and cryptocurrencies. Deployed python as backend using REST APIs for real-time market data and Firebase for database and secure authentication.
- Developed and implemented a stock price prediction model using Python's machine learning libraries, TensorFlow and Keras, leveraging LSTM neural networks for time series forecasting.

Data Breach Analysis Tool - Cybersecurity
- Technologies Used: **MongoDB, Express.js, React.js, Node.js, Python, Pandas, NumPy, Scikit-learn, TensorFlow, Keras, Matplotlib, Seaborn, REST API.**
- Engineered a full-stack data breach analysis tool using the MERN stack and Python to import, manage, and analyze historical data breach records. Deployed MongoDB for efficient data storage, with a secure Express.js backend providing RESTful APIs.
- Developed a React.js frontend for data visualization, enabling trend exploration through charts and dashboards. Integrated Python for advanced data preprocessing and predictive analytics using machine learning models.

Marine Mapping & Navigation Software - Hackathon
- Technologies Used: **Technologies Used: Microsoft Maps and Marine Traffic API, PHP, HTML, SQL, JavaScript.**
- A dynamic web app and reliable navigation system for real-time ocean mapping, displaying global ship locations.

SKILLS

Programming Languages & Frameworks: Java, Python, C++, Dart, Flutter, MongoDB, Express.js, React.js, Node.js, JavaFX, PHP.

Cloud & Data Science: Microsoft Azure, AWS, Terraform, Firebase, TensorFlow, Keras, Machine Learning, Pandas, NumPy, Seaborn, Scikit-learn, Matplotlib, Network Security, Cybersecurity, Agile Methodology.

Software Development & Tools: Flask RESTful API, Microsoft Power Apps, Office 365, GitHub, Android Studio, IntelliJ, Salesforce.

CERTIFICATIONS & RELEVANT COURSEWORK

- Microsoft Azure (AZ 900) ● Computer Networks ● Data Structures and Algorithms ● Programming in Linux

LEADERSHIP & AWARDS

- **Best Website Development Award -** NJ TSA ● **Event Coordinator** - NJIT Cricket Club