Mohammed Naeem

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Education

University at Albany, SUNY Expected Spring 2028
Bachelors of Science in Informatics, Concentration in Software Development Albany, NY

CUNY Bronx Community College, Graduated May 2026
Associates in Applied Science in Computer Information Systems Bronx, NY

- ***Deans List, Fall 2025, Presidents List, Spring 2026***

Experience

Extern June 2026 – August 2026
AI/ML Extern|Remote

- Develop AI document-processing pipelines using **Python, OCR, retrieval-augmented generation, and open-source LLMs** to automate pharmaceutical document extraction, classification, and retrieval.
- Build and optimize a LlamaIndex-based retrieval system by tuning document chunking, retrieval strategies, and language models to improve response accuracy and system performance.
- Test and evaluate **OCR accuracy**, retrieval quality, document-routing performance, and model trade-offs to validate system outputs and identify areas for improvement.
- Compare and evaluate LLM technologies including **Mistral** and **Phi-2**, documenting technical findings and presenting recommendations through a technical report and interactive demo.
- Debug pipeline issues and iterate on technical solutions across document processing, retrieval, classification, and model integration workflows.

Deloitte February 2026 – May 2026
Workday Test Intern|New York, NY

- Performed functional and system testing for enterprise Workday implementations, validating application configurations, user access, and business requirements before client releases.
- Managed approximately **1,600 user stories** and role-based access for approximately **400 testers**, reducing testing access bottlenecks by **30%.**
- Increased testing productivity by **75%** by designing automated workflows in Smartsheet, standardizing defect reporting and centralizing issue tracking within the testing environment.
- Built real-time Smartsheet dashboards used by **400+ testers** and project leadership, improving project-wide visibility and enabling faster tracking of testing progress and defect trends.

Co.Lab November 2023 – February 2024
Software Engineer|Remote

- Developed a backend system using Python and Node.js, storing critical user data securely and automating data handling tasks to improve efficiency.
- Led beta testing, troubleshooting, and bug resolution to ensure a stable and scalable app for AppStore and Google Play releases.

Coding Temple November 2021– May 2022
Software Engineering Fellow|Remote

- Designed and developed web applications using React for front-end and Flask for back-end with PostgreSQL databases, ensuring secure data handling and responsive, user-centered design.

Projects

Cookinit – *Mobile AI Nutrition Assistant* *In Development*

- Developing a cross-platform nutrition and recipe-planning app using React Native, Expo, JavaScript, Supabase Authentication/PostgreSQL, and AsyncStorage.
- Building a camera-based Nutrition Facts workflow using OCR and computer vision to extract calories and macronutrients, with manual ingredient entry as a fallback.
- Designing AI-assisted recommendations that aggregate ingredient macros, compare meals with user calorie goals, and integrate recipe APIs and LLMs for personalized suggestions.

Time.Out- *Software Engineering*

Technologies: JavaScript, React Native, Node.js, Expo, ExpoGo, MongoDB

- Built a React Native mobile app that securely tracks and analyzes user time outdoors, storing data in MongoDB and sending interactive UI notifications through a Node.js API.
- Worked closely with a cross-functional team (Product Designer, Developer) to improve the user experience, designing responsive and intuitive front-end features for ease of navigation and accessibility.

Technical Skills

Data and Information Security: Hardware and Software Troubleshooting, Anti-Virus Software Installation, Networking & Connectivity
Data Tools: Microsoft Excel, Jupyter Notebook, PeopleSoft, GraphQL, Firebase, Git, Heroku, Smartsheet, Workday
Technical Languages: Python, SQL, Java, CSS3, HTML5, JavaScript (ES5/ES6/ES7/NodeJS)
Software Development Frameworks/Tools: Flask, Node.js, React, React Native, Vue, Swift/Swift UI, GitHub, VS Code