Mohammed Naeem

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OBJECTIVE: Software engineering student pursuing a B.S. in Informatics with hands-on experience building full-stack applications, backend systems, REST APIs, mobile applications, and AI/ML pipelines. Proficient in Python, Java, JavaScript, React, React Native, and Node.js. Experienced across the software development lifecycle, including design, implementation, testing, debugging, optimization, and technical documentation. Strong problem-solving background with experience developing reliable, scalable, and user-focused software in cross-functional environments.

SUMMARY OF SKILLS & QUALIFICATIONS:

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: Flask, Node.js, React, React Native, Vue, Swift/Swift UI

EDUCATION:

B.S. in Informatics **SUNY University at Albany** Albany, NY — Expected Spring 2028
A.A.S in Computer Information Systems **CUNY Bronx Community College**, Bronx, NY — January 2025 – May 2026

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

RELEVANT EXPERIENCE:

AI/ML Extern| **Extern, Pfizer,** Remote — June 2026 – August 2026

- 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.

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

- 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.

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

- 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.

• *Software Engineering Fellow*| **Coding Temple,** Remote — November 2021– May 2022

- 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.