ABDIKARIN MOHAMED

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EDUCATION

University of Minnesota - Twin Cities   Expected Graduation: May 2025

Bachelor of Science in Computer Science   **GPA: 3.7/4.0**

- Recognized as a Dean's List Recipient for academic excellence, 2021 - 2023

TECHNICAL SKILLS

- **Languages**: Java, Cassandra, Apache Camel, Python, C/C++, JavaScript, , Flask, SQL, OCaml
- **Technologies**: Apache Cassandra, Beanio, React, Node.js Linux, GitHub

EXPERIENCE

American Express   June 2024 – Present

Software Engineering Intern   *Phoenix, Arizona*

- Developed a proof of concept (POC) in Apache Camel to streamline input file consumption processes.
- Transformed card cache logic by integrating advanced 36-byte PACE IDs, significantly boosting data processing capabilities and prepayment file accuracy.
- Developed and deployed the Hiped decryption utility to efficiently handle incoming encrypted card cache data, enhancing security and data integrity.
- Enhanced database capabilities by creating tables and integrating them with Apache Cassandra for efficient data handling.
- Engineered automation scripts to process submissions on the GMAS E1 server, ensuring reliability through comprehensive testing and validation of system.

Microsoft   June 2023 – Aug 2023

Software Engineering Intern   *Redmond, Washington*

- Developed a product enhancing oral communication for individuals with speech barriers (e.g., anxiety, stuttering, aphasia, apraxia).
- Implemented AI-driven real-time conversation simulations via the Chat GPT API.
- Leveraged React (HTML, CSS, and JavaScript), Bootstrap, Fluent UI, and AI text-to-speech API to develop an interactive and user-friendly web interface.
- Successfully showcased my project to Microsoft's VP leadership team.

Sleep Number   Sep. 2022 – May 2023

Data Science Intern   *Minneapolis, MN*

- Developed a Power BI and SQL application to track monthly damage percentages, resulting in 20 percent improved data accuracy and actionable insights for leaders.
- Utilized Sleep Number's problem-solving methodology to work cross-functionally, removing process waste and improving efficiency by 15%.

PROJECT

ChatGPT Clone   May 2024 - Present

Python, SQL, Flask, GPT-4 API

- Implemented SQL database solutions for efficient storage and retrieval of user interaction data and conversation logs.
- Used Python to seamlessly integrate the GPT-4 API, enabling advanced natural language processing capabilities in the bot.
- Leveraged Flask and Python for backend development, focusing on managing API interactions and interfacing with the SQL database.
- Designed SQL databases to efficiently store and retrieve user interaction data and conversation logs.