Yonas Neguse

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EDUCATION

University of Texas at Dallas - *Departmental GPA: 4.0*   Richardson, Texas
Bachelor of Science in Computer Science   May 2026
Relevant Courses*:* Data Structures & Algorithms, C++ Programming in Unix/Linux Environments, CS I & CS II, Physics I & II, Calculus I & II, Discrete Math, Linear Algebra

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Python, C++, HTML, CSS, SQL
Frameworks/Libraries: React, NodeJS, Flask, Pandas, NumPy, TensorFlow, Tailwind, FastAPI, Vue.js, Vercel, PyTorch, MongoDB, Supabase, Git, Docker

PROJECTS

BibleBot | Twilio, Flask, Python, NLTK
- Developed a multiplatform SMS chatbot that provided users with random Bible verses when prompted.
- Implemented keyword-based search functionality to dynamically respond to user queries, enabling users to request Bible verses related to specific topics.
- Enhanced user-experience and efficiency by 76% by implementing NLP techniques.
- Scaled the chatbot to handle 100+ concurrent users, ensuring high availability and reliability to users.

The Magic Model | Python, TensorFlow, Pandas, MySQL
- Achieved 64% accuracy in predicting market trends using data from the 2021 S&P 500 (Peak COVID-19)
- Enhanced the model's design and efficiency by integrating diverse software ideologies, resulting in improved analytical capabilities and more efficient business predictions.
- Utilized the model to improve performance by 68% and reduce workload by 8% in when analyzing the 2022 S&P 500.

The Pharmaceutical Project | HTML, CSS, JavaScript
- Built a website that delivered comprehensive insights and accurate ETAs to customers by leveraging RTA datasets.
- Collaborated with local pharmacies and their customers to boost operational efficiency by 52% and attract over 1,000 concurrent users to the platform.
- Enhanced user experience by integrating real-time data, enabling users to receive precise ETAs for their specific medications.

WORK EXPERIENCE

Web3 Security Data Analytics   Remote
Extern   September 2024 – October 2024
- Conducted audits on over 100 smart contract addresses across 5 blockchains, identifying security vulnerabilities and improving risk assessment accuracy.
- Utilized Excel and Python for correlation and cluster analysis, uncovering security insights for 150+ smart contracts.
- Delivered data-driven insights through advanced analysis with SQL, Excel, and Tableau, improving decision-making and enhancing smart contract security profiling.

JP Morgan Chase & Co   Remote
Software Engineering Extern   October 2023
- Leveraged JPMorgan Chase's open-source library, Perspective, to monitor over 100 trades, enhancing data visualization for traders.
- Resolved critical issues in the repository to ensure web application function.
- Established a fully functional local development environment and engaged in a realistic virtual simulation to simulate real-world software development challenges.

LEADERSHIP EXPERIENCE

African Student Union   Dallas College
Treasurer   January 2023 - May 2023
- Coordinated monthly meetings for executive board of 6 and weekly GBMs for 60+ members.
- Implemented financial software solutions to track budget, expenses, and analyze financial spending.

National Diversity & Leadership Conference   Dallas, Texas
Leader   January 2022 – April 2022
- Invited to the conference and spoke to a small group about academic achievements, mentality, and entrepreneurial activities.

Distributive Education Clubs of America (DECA)   Dallas, Texas
Conference Speaker   December 2021 – May 2022
- Achieved a top 10 position out of 5000+ students in a rigorous entrepreneurial.
- Implemented diverse software ideologies into a comprehensive business plan, showcasing innovation.
- Presented the business plan to a prestigious audience, highlighting the business plan and entrepreneurial impact in industry.