Kurtik Appadoo

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Education

Union College, *Schenectady NY*   Expected June 2025
Bachelor of Science in Computer Science and Economics (Double Major)
Honors: Computer Science, Economics, *Dean's List* , *Omicron Delta Epsilon Alpha Beta**, Order of Omega Eta Tau*
Relevant Courses: Data Structures and Algorithms, Software Engineering, Programming Languages, Compiler Design, Data Visualization, Databases, Natural Language Processing

Skills

Programming Languages: Python, R, Java, SQL, Javascript, Typescript, HTML, CSS
Technologies: Node.js, React.js, Next.js, Express.js, Spring Boot, PostgreSQL, MySQL, GraphQL, Supabase, TailwindCSS, Electron.js
Tools: Git, Postman, Tableau, Rstudio, LATEX, Gradle, Maven, JavaFX

Work Experience

Python Intern, *Truefort Inc,* Weehawken, NJ   October 2021- December 2021
- Developed and optimized Python scripts to automate data collection and processing workflows using Object-Oriented Programming (OOP) principles, resulting in a 30% reduction in manual processing time.
- Collaborated with Senior programmers to build Python-based executables, applying OOP design patterns and adhering to best coding practices such as SOLID principles and DRY.
- Utilized Python libraries such as unittest to create comprehensive unit tests, ensuring code reliability and maintaining a 95% test coverage across multiple projects.

Data Analyst & Web Developer, *Foppiani Shipping and Logistics US inc*, Jamaica, NY   July 2024 - September 2024
- Engineered a dynamic web platform using JavaScript, HTML, CSS, and the Google Maps API to visualize 1.5 million consignees on an interactive map. Optimized API calls to retrieve unique data efficiently, minimizing redundancy and enhancing performance.
- Processed and cleaned large datasets using Python and R, ensuring data accuracy and readiness for web integration, while optimizing workflows to manage millions of shipping records.
- Deployed the application on Firebase, utilizing Firestore for scalable data storage and real-time querying, enabling multiple users to seamlessly access detailed consignee and shipment information.

Projects

Administrative and Grading Website | Full-Stack Collaboration | *Supabase, GraphQL, Next.js, Tailwind CSS*
- Oversaw backend and database development for a 14-member full-stack team at Union College, delivering a functional, user-friendly Gradescope-like UI with seamless user interactions. Focused primarily on backend, utilizing GraphQL queries to ensure efficient frontend integration.

Fitness Tracker Web Application | Full-Stack | *React.js, Node.js, PostgreSQL, Supabase, Tailwind CSS*
- Built a full-stack fitness tracking app that allows users to securely log in with JWT tokens, track workouts, monitor progress, and set real-time fitness goals.

Z Manager Web Application | Full-stack | *Next.js, Spring Boot, PostgreSQL, Tailwind CSS*
- Developed a task registration and scheduling app with a Google Calendar-style UI. The app features drag-and-drop functionality from customizable buckets, enhancing productivity and user experience.

Leadership

Vice-President, *Order of Omega Eta Tau **Honor Society***   June 2024 - June 2025
- Led a community of student leaders, driving initiatives that promote academic excellence, leadership, and impactful campus engagement.

Student-Athlete & Team Representative, NCAA Division III Men's Tennis, Union College   September 2021 - April 2024
- Represented Union College in the Liberty League for 3 years, balancing rigorous training with academics while demonstrating commitment, resilience, and time management. As a Tennis Representative on the Student Athletic Advisory Committee, led initiatives to promote athletic funding and engagement on campus, organized community fundraising events, and contributed to key decision-making processes.

Social Chair & Board of Standards, *Chi Psi Alpha Pi*, Union College   September 2022 - Present
- Member of the Executive Board for the organization, meeting weekly discussing future projects and organizing events and ambitions for the chapter. Managed the planning and execution of multiple events, enhancing member engagement and fostering relationships

Member, *Alpha Phi Omega*, Union College   September 2024 - Present
- Engaged in community service initiatives, promoting leadership, teamwork, and social responsibility as an active member of a service fraternity.