Kazi Amin

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EDUCATION

University of Central Florida — **Graduation: May 2026**
Bachelor of Science in Computer Science — GPA: 3.5

EXPERIENCE

Secretary — April 2025 – Present
Village Mentors @ UCF — *Orlando, FL*

- Managing end-to-end logistics and promotion for bi-weekly events, driving a 40% increase in average meeting attendance for over 50 members.
- Directing a remote mentorship initiative for students in Ghana, involving recruiting and leading 10 mentors to deliver technical workshops in foundational software engineering skills.
- Driving a 25% growth in club membership by managing communication campaigns and promotional materials for all outreach events.

Web Development Intern — April 2025 – Present
Money Habitudes LLC — *Winter Park, FL*

- Spearheaded the migration of a legacy WordPress site to a modern full-stack application using Next.js and React, resulting in a 60% improvement in page load speeds and enhanced site scalability.
- Boosted user interaction rates by 25% through strategic implementation of Server-Side Rendering (SSR) techniques and on-page SEO, significantly improving the site's Core Web Vitals and search rankings.
- Engineered an AI-powered chatbot using Retrieval-Augmented Generation (RAG) to automate responses to Frequently Asked Questions, increasing average user session duration by 50% and reducing support ticket volume.

Machine Learning Research Assistant — January 2024 – May 2024
University of Central Florida — *Orlando, FL*

- Explored the relationship between social media platforms and network science, aiming to improve the detection of malicious accounts on social networks using anomaly-detection algorithms.
- Improved random forest models using gathered clustering coefficient scores to achieve an overall 15% increase in detection accuracy using scikit-learn.
- Performed end-to-end data lifecycle tasks in Python, including extraction, cleaning, and modeling, for weekly reports using NumPy, Pandas, and Matplotlib.

Commercial Property Analytics Intern — June 2022 – August 2022
Palm Beach County Property Appraiser's Office — *West Palm Beach, FL*

- Optimized property appraisal processes by leveraging SQL and SPSS to reduce the number of parcels requiring physical appraisal in Palm Beach County.
- Developed autonomous Python scripts to update pre-existing property data to ensure that over 5,000 parcels were up to date for the 2022 Property Tax Roll.
- Assisted commercial property appraisers in creating spreadsheets and visual diagrams of property tax increases using Excel (VLookup, Pivot Tables, Index/Match) and Tableau.

PROJECTS

Eventify, Backend Lead | *Node.js, Express, PostgreSQL, Redis, Jest, BullMQ*

- Developed a full-stack event management platform to help university organizations create, manage, and promote campus events with features including role-based access control, messaging, and payment processing.
- Implemented RESTful APIs using Node.js and Express.js, ensuring efficient data handling and increased performance by implementing Redis caching and server-side concurrency techniques.
- Managed team backend sprints using Jira, facilitated weekly meetings, and enforced test-driven development with Jest to maintain high code quality.

Rate My Peer, Mobile Development Lead | *React.js, Flutter, Express, PostgreSQL, Jest*

- Designed and led the development of a full-stack web and mobile application to assist instructors in monitoring team dynamics and individual performances using anonymous peer reviews.
- Developed and optimized key mobile and web features, including real-time peer review submission, performance analytics, and user authentication, using Flutter for mobile and React.js for web.
- Ensured seamless backend integration with PostgreSQL and Express.js while adhering to test-driven development principles.

TECHNICAL SKILLS

Languages & Frameworks: React.js, Express.js, Node.js, Javascript, Flutter, Jest, HTML, CSS, Dart
Databases: Relational Databases (PostgreSQL, MySQL), Non-relational Databases (MongoDB)
Developer Tools: Git, GitHub, Figma, VS Code, Linux, Eclipse, Postman, Supabase, Heroku, Docker, Jira