Aamuktha Kottapalli

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Product design enthusiast with a computer science background and hands-on internship experience bringing technical and creative problem-solving to real-world projects. Demonstrated experience in beta testing, usability enhancements, and system documentation, emphasizing clear communication and design thinking. Passionate about crafting intuitive interfaces and interactions to make learning engaging and impactful.

Experience

Associated Students of Madison (ASM – Student Government)   **Oct 2023 - May 2025**
Student Election Commissioner   *Madison, WI*
- Advocated for user needs by identifying accessibility gaps in election ballot software and proposing 2 feature changes to developers.
- Represented 48,000+ students on the IT Committee, collaborating with stakeholders across governance and operations to improve cybersecurity policy and system reliability.
- Chaired 20+ discussions with politicians and university admin, identifying a technical resource fix to enhance affordable housing.
- Mentored 3 interns over 2 years, aiding them in launching and reporting on campaign progress.

GenDigital   **Jun 2025 - Aug 2025**
Site Reliability Engineer   *Mountain View, CA*
- Partnered with engineering teams across time zones, clarifying deliverables and aligning technical execution with product goals.
- Presented outcomes of a fraud detection platform to company executives, translating technical solutions into adoption opportunities, and clarifying user impact.
- Designed automation pipelines to improve monitoring for engineering teams, making decisions on MVP and future product features.

Kalan Lab   **Oct 2023 - Aug 2024**
Bioinformatics Researcher   *Madison, WI*
- Shared technical findings at symposiums, communicating data-driven results to both technical and non-technical audiences.
- Applied machine learning to optimize predictive models, achieving a 108% efficiency gain in genomic classification.
- Cleaned and transformed datasets to improve input quality for downstream ML pipelines, delivering insights to research mentor.

Projects

BadgerBurrow   *Backend + Integration Developer*
- Led a team of 4 in a hackathon to design and launch a student-facing app showcasing 200+ study spots on campus.
- Iterated app's navigation and user experience based on peer feedback from Discord.
- Built REST API routes in Flask and integrated Google Maps API into a React frontend with a Python and SQL backend.

Personal Website   *Fullstack Developer*
- Added user-facing features such as secure contact form with PostgreSQL + SendGrid integration.
- Documented product requirements in Figma and Replit for a structured product design process.
- Designed and deployed portfolio website with React/TypeScript frontend and Express.js backend.

Rent Price by Region   *Data Analyst*
- Translated statistical insights into a visual report, presenting clear insights of rent price history.
- Led project planning sessions and ensured 100% on-time deliverables by coordinating responsibilities across the team.
- Conducted analysis on 4,500+ rental data points with R to identify trends in pricing across regions.

Education

University of Wisconsin - Madison   **May 2025**
B.S., Computer Sciences
- **Coursework:** Operating Systems, Algorithms, Information Security, Data Management, AI, User Interfaces, Data Modeling, Bioinformatics, OOP, Computer Engineering, Multivariable Calculus, Linear Algebra

Skills

- **Technical**: Python, Java, C, R, SQL, Bash, JavaScrip/TypeScript, PyTorch, APIs, Cloud integration, Docker, Jira, GitHub/GitLab
- **Product:** Product development, Cross-functional leadership, Roadmapping, Prioritization, UX focus, Product design
- **Data:** Metrics-driven decision-making, Data Analysis, Machine Learning, Visualization
- **Interests**: Reading (Memoirs and Fiction), Writing (Flash Fiction, Short Stories, and Poetry), Running (Long-Distance)