Contact

akshra0317@gmail.com

www.linkedin.com/in/akshat--rastogi (LinkedIn)
cal.com/akshatr (Personal)

Top Skills

CloudKit

React.js

Next.js

Certifications

6.00.1x Introduction to Computer Science and Programming Using Python

Certified Internet Webmaster Business Associate

Akshat Rastogi

SWE @ Honeywell Aerospace | Co-founder at Hive Spelling | Previous SWE @ Siemens | CS & Business Admin with AI Certificate @ University of Florida
Lake Mary, Florida, United States

Summary

I am a software engineer and UF Computer Science graduate passionate about building meaningful products. At Honeywell Aerospace, I work on embedded software for next generation flight systems.

Currently, I am building the future of spelling education with Hive. We are reshaping how students approach spelling and modern literacy through intelligent, pattern-based learning. Hive works with spelling bee competitions and organizations around the world to provide high quality resources to students and educators.

If you would like to collaborate or connect, reach out at akshatrdev@gmail.com.

Experience

Honeywell
Software Engineer
June 2025 - Present (7 months)
Phoenix, Arizona, United States

• Develop C software for Flight Management System in a safety-critical avionics environment, contributing to next-generation cockpits.
• Perform system, HLR, LLR, and SLR requirement updates and formalizations with full traceability aligned to DO-178C standards.
• Extended the Netrikann remote-testing tool by adding touch-interaction and event-simulation features, enabling remote hardware-bench validation for global teams and reducing manual integration test effort.

Hive
Co-Founder & Lead Developer
June 2023 - Present (2 years 7 months)
Lake Mary, Florida, United States

• Built Hive's iOS app and web platform used by 500+ students and piloting with multiple school districts, delivering 60+ pattern-based lessons and quizzes on roots, patterns, and language origins.
• Established partnership with Merriam-Webster, integrating API with GPT-4 for sentence generation, explanations, and feedback.
• Engineered PrepCenter™, the official studying platform and technology & education partner for the Spelling Bee Championship UAE, with round-based word lists, four study modes, analytics, and leaderboards for hundreds of competitors.
• Developed a Next.js/Tailwind educator dashboard, optimized backend using API pagination, caching, lazy instantiation, Firebase, and Google Cloud Functions, and added custom list-creation tools while prototyping an SLM-based tutor for adaptive coaching.

Siemens Digital Industries Software
8 months

Part-time Software Engineer
August 2024 - December 2024 (5 months)

Software Engineering Intern
May 2024 - July 2024 (3 months)
Milford, Ohio, United States

• Developed a customer-facing feature in NX-CAD using C++ and HTML rendering to modernize the 2D Cross-Section View, enabling
real-time cable layout visualization with color-coded data for industrial engineering projects.
• Led sprint planning & task prioritization in a scrum-based agile environment, collaborating with international teams to develop &
integrate real-time data retrieval using Object Manager & C++, resulting in improved data accuracy & cost efficiency.
• Addressed production bugs in NX Cable Router's label rendering system, introduced Multi-Tiered Labels feature, and implemented unit
tests to ensure reliability.

Gathr
Co-Founder, iOS Developer, Head of Marketing
April 2024 - November 2024 (8 months)
Gainesville, Florida, United States

• Launched an iOS app to enhance student engagement by connecting clubs and students through a social media-like interface, gaining 700+ UF students,

60+ organizations, and 20,000+ views on social media campaigns within first 3 weeks.

MarketAtomy LLC
Software Engineer
June 2022 - July 2023 (1 year 2 months)
Winter Springs, Florida, United States

CodingForCharity
Founder, Executive Director, and Full-stack Web Developer
March 2020 - December 2021 (1 year 10 months)
Lake Mary, Florida, United States

• Founded CodingForCharity, an organization with 70+ members across 8 countries that fundraises for underprivileged children by asking businesses/non-profits for charity donations in return for developing websites.
• Implemented full-stack web development, with a focus on e-commerce, payment integration, and mobile ordering, leading to the successful development and management of over 40 websites.
• Received coverage from prominent local radio and TV stations in recognition of CodingForCharity's work.

MarketAtomy LLC
Software Developer Intern
January 2020 - May 2021 (1 year 5 months)
Winter Springs, Florida, United States

• Led the full-stack web development of a 21-module business health assessment platform for optimizing business growth strategies.
• Implemented a secure user login/registration system with OTP verification & hashing/encryption techniques.
• Employed PHP PDO with parameterized queries to secure the back-end against XSS & SQLi attacks, while managing the MySQL
database and conducting data analysis to generate server-side PDF reports for clients.

Education

UF Herbert Wertheim College of Engineering
Bachelor of Science - CS and minor in Business Administration, Computer Science · (August 2021 - May 2025)