AKSHAT SALADI

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EDUCATION

B.S. in Computer Science and Engineering, The Ohio State University — Expected May 2025
Coursework: Software Development, Data Structures and Algorithms, Databases, Operating Systems, Web Apps.

SKILLS

Languages	Java, C++, C, Python, TypeScript, JavaScript, Kotlin, SQL, R, HTML, CSS, Ruby
Frameworks/Tools	React Native, SwiftUI, Vue, Ruby on Rails, Shiny, Git, Docker, Linux, VSCode
Soft Skills	Adaptable, Communicator, Collaborative Learner, Problem Solver, Creative

EXPERIENCE

Full Stack Developer — March 2024 - Present
The BLOK App (theblokapp.com) — *Columbus, OH*

- Architecting a social media app that transforms the way people plan their social lives and engage with calendars.
- Leveraging a comprehensive T3 Turborepo architecture encompassing a Expo React Native and Tailwind CSS frontend, tRPC and Next.js for backend, Drizzle as the ORM, Supabase for database management.
- Collaborating with team members to translate Figma designs into functional user interfaces, including features such as a 'Create Event' modal, a comprehensive search feature, user privacy states, and a calendar view.
- Successfully connected the frontend and backend, allowing for features like user search, profile viewing, and follow requests to be updated in real-time in the database and reflected in the frontend.
- Conducted a significant code base refactor to leverage expo router, enhancing navigation, animations, and long-term code maintainability and readability.

Solution Engineer Intern — May 2023 - Aug 2023
American Electric Power (AEP) — *Columbus, OH*

- Built a Python Shiny app from scratch, incorporating the OpenCV2 computer vision library to analyze drone image data for transmission line and electric grid maintenance/damage.
- Designed advanced features such as a clear score for image quality assessment, a Laplacian filter for potential rust detection, and the ability to flip through multiple images. Explores potential improvements in maintenance efficiency and worker safety by reducing the need for unnecessary fieldwork.
- Redesigned the front end of a production R Shiny app that determines optimal battery placement, transforming a cluttered tab-based layout into a streamlined drop-down menu system, significantly improving user experience.
- Implemented a data communication feature for the battery app using Oracle and PL/SQL, enabling users to preview over 25 entries of load data at a time before uploading while also checking for duplicate data.

PROJECTS

To Do List Built a simple easy-to-use iOS To Do List app where users log in and can create, check, and delete tasks with parameters such as title, time, and due date.

Smart Portfolio Website Built an innovative portfolio website that uses an AI chatbot to answer questions related to the page, saving time instead of searching for answers.

Indoor Navigation Assistant (HackOHI/O) Developed a full-stack Android application. Utilizes the device's rear camera to help users determine the shortest path from their current location to their chosen destination.

Simon Says Game Designed and developed an interactive 'Simon Says' game using Arduino and C, featuring a system of 4 LEDs and 4 corresponding buttons where players memorize and replicate sequential LED patterns.

Smart Irrigation Tracker Collaborated with students in Ethiopia to build a prototype ardruino irrigation tracker.