# AKSHAT SALADI

+1(614) 206-8997 ⋄ Columbus, OH

[saladi.4@buckeyemail.osu.edu](mailto:saladi.4@buckeyemail.osu.edu) ⋄ [linkedin.com/in/akshatsaladi](https://linkedin.com/in/akshatsaladi) ⋄ [akshat-hotpage.vercel.app](https://akshat-hotpage.vercel.app)

## 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, Vue, Ruby on Rails, Shiny, Git, Docker, Linux, VSCode, Android Studio |
| **Soft Skills** | Adaptable, Communicator, Collaborative Learner, Problem Solver, Creative |

## EXPERIENCE

**Full Stack Developer**      March 2024 - Present
The BLOK App ([theblokapp.com](https://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

**Smart Portfolio Website** Built an innovative portfolio website with an AI chatbot trained on my data, using technologies like Next.js 14, Langchain, Vercel AI SDK, TypeScript, and Tailwind CSS.

**Indoor Navigation Assistant (HackOHI/O)** Developed a full-stack Android application using Kotlin and Firebase. Utilizes the device's rear camera to pinpoint the user's precise location within indoor spaces. Uses reference key points from a realtime database of over 50 photos to determine the shortest path to the user's selected 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. Players memorize and replicate sequential LED patterns.

**Smart Irrigation Tracker** Collaborated with students in Ethiopia to build a prototype irrigation tracker with an Arduino and C. Implemented agile methodology and acquired diverse perspectives, resembling a remote workplace.