Akshai Narayan Srinivasan

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| https://github.com/akshaisrin

Education

The University of Washington   **Seattle, WA**
B.S in Computer Engineering and Applied Mathematics   *June 2027*

Relevant Coursework: Data Structures & Parallelism, The Hardware Software Interface, Discrete Mathematics & Probability, Multivariable Calculus, Linear Algebra, Advanced Software Projects, I2 AI/ML Crash Course

Experience

DubHacks   **Seattle, WA**
Software Developer   *Jan 2025 – Present*

- Developing software for the largest collegiate hackathon in the PNW (1500+ participants)
- Designed custom web-app for hackers to connect, make transactions, and view relevant information using Typescript, React.js, Tailwind.css, and Next.js
- Engineered Discord OAuth system to authenticate hackers via Discord login and verify registration against internal MongoDB database
- Building greedy judging algorithm to allocate judges to teams by optimizing availability and scoring heuristics

goEzz Ride Services for Children   **Bellevue, WA**
Full Stack Intern   *Jun 2022 – Sep 2022*

- Designed full-stack architecture for mobile Android ridesharing app with client-side UI and server-side logic
- Built dynamic user interface using Flutter & Dart to enhance user experience and display real-time data
- Architected backend system using RESTful APIs to insert and retrieve driver/schedule information from a remote MySQL database and display it on-screen
- Integrated app with Twilio API to create a multifactor authentication system for enhanced security

Projects

FitFinder   **Oct 2024**
- Created mobile fashion social media app for Android devices designed to connect people with similar fashion tastes and provide engaging fashion content
- Designed relational PostgreSQL database hosted on a remote server to store and manage user data
- Created Python/Flask backend utilizing RESTful APIs to pull and insert relevant user information
- Integrated app with AWS Bedrock to provide AI-generated style classifications based on style preferences and AWS S3 to store dataset for style classification algorithm

CalcMaestro.com   **Jan 2023**
- Created website for my calculus test-prep company providing students with subscription-based automatically generated calculus practice worksheet
- Developed serverless backend in AWS Lambda to process API requests from the frontend and leveraged AWS DynamoDB for secure storage and management of authentication tokens
- Implemented a cross-domain authentication system that leveraged web-based authentication tokens to grant secure access to problem set PDFs hosted on a remote third-party domain (AWS S3)

Technical Skills

Languages/Tools: Python, Java, JavaScript, C# (.NET), Dart, TypeScript, HTML, MATLAB, LaTeX, Git
Frameworks/Libraries: Node.js, Next.js, Flutter, Pandas, NumPy, Stanford CoreNLP, React.js, Tailwind.css
Technologies/Skills: MySQL, PostgreSQL, MongoDB, AWS (Lambda, DynamoDB, S3, Bedrock), Twilio