Akshai Narayan Srinivasan

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Education

The University of Washington   **Seattle, WA**
BS in Computer Engineering   *June 2027*

Relevant Coursework: Data Structures/Algorithms, Advanced Software Projects, Advanced Multivariable Calculus, Linear Algebra, I2 AI/ML Crash Course, Discrete Mathematics (Current), The Hardware Software Interface (Current)

Experience

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

- Implemented full-stack architecture for mobile Android ridesharing app including client-side UI and server-side logic
- Developed dynamic user interface using Flutter and 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 the Twilio API to create a robust multifactor authentication system for enhanced security

Software Engineering Intern   Jun 2021 – Sep 2021
Quantel AI Inc.   *New York, NY*

- Developed Python software to analyze news feeds and explain price variability in S&P 500 stocks
- Utilized the Stanford CoreNLP library to perform sentiment analysis on relevant news articles and ascertained the reason for significant price changes past a given threshold
- Designed a relational PostgreSQL database to store results of analysis

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

FRC Scouting App   Mar 2023
- Created a competition desktop app for 70+ student robotics team using the .Net MAUI framework in C# to streamline data collection and analysis
- Utilized FirstInspires API to dynamically retrieve competition roster and match schedules as JSON data, allowing scouts to record match-specific data via an intuitive UI
- Implemented offline QR code-based data export system using data serialization, allowing for a seamless transfer to a host computer for analysis and aggregation
- Digitized scouting process for first time in 20+ year team history, reducing aggregation time by over 80% and eliminating need for manual data collection

CalcMaestro.com   Jan 2023
- Created website for my calculus test-prep company providing students with subscription-based automatically generated calculus practice worksheets
- 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, Flutter, Pandas, NumPy, Stanford CoreNLP Library, React.js, Tailwind.css
Technologies/Skills: MySQL, PostgreSQL, MongoDB, AWS (Lambda, DynamoDB, S3, Bedrock), Postman, Twilio