

Navneeth Dhamotharan

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EDUCATION

University of Washington - Seattle

Seattle, WA

B.S Informatics: Data Science, B.A Economics(GPA: 3.54/4.0)

Expected Jun. 2027

Relevant Coursework: Data Structures and Algorithms, Data Science Fundamentals (R), Exploratory and Statistical Data Analysis (R), Object-Oriented Programming (Java), Intermediate Data Programming (Python), Databases

EXPERIENCE

FlyDubai

Dubai, UAE

Data Engineer Intern

Jun. 2025 – Present

- Developed models to predict flight delay accuracy for **600,000+ rows** and **90+ features** with an **80% R^2** .
- Worked on building data and machine learning pipelines using **AWS S3, Lambda and Step Functions**.

Software Engineering Career Club | swecc.org

Seattle, WA

Software Engineer | github.com/swecc-uw

Apr. 2025 – Present

- Led SWECC Labs, mentoring **35+ students** to open-source development for career growth.
- Developed and enhanced platforms across **38 repositories**, improving the skill-building and job search process for **over 2,000** aspiring Software Engineers through a Resume Review Platform and a Discord bot.

Eat Together | eat-together.org

Seattle, WA

Incoming Director

Sep. 2025

- Lead a startup at The University of Washington to connect **550+ students** over shared meals.

Development Lead

Dec. 2024 – Present

- Led a team of **6 developers** for a **student-led startup** by enhancing engagement for **500+ users**.
- Added **30 users** by redeveloping the website, app availability selection, and developing a community Discord bot.
- Reduced code review time by **20%** through hands-on workshops and feedback sessions, **mentoring 20+ developers** in React Native(Expo), Git, and Google Cloud Platform for a cross functional **cohort of 35**.

Software Engineer

Jan. 2024 – Dec. 2024

- Enhanced media management by developing a **photo gallery** using React Native and Expo Image Picker.
- Integrated **Firebase** for seamless image storage and retrieval, optimizing app performance and user interaction.
- Scaled the app to **400+ users** by enhancing core functionality through batch processing and load reduction.
- Resolved **35+ UI bugs** and **8+ critical issues**, improving app stability and user experience.

PROJECTS

DataMed | React, Firebase, Google Places API, React-Navigator | Link to Repository

Apr. 2025

- Developed Bingo on the Ave, a website for students to visit places around UW, targeting **40,000+**.
- Integrated geolocation and Google Search APIs with anti-cheating checks to track visits to 9 essential locations.
- Tuned hyperparameters for predictive modeling using **Scikit-learn** and **Optuna**, improving prediction accuracy.
- Awarded **3rd place for Best Machine Learning Model** in the **6th DubsTech Datathon**.

FundIt | React Native(Expo), Firebase, Plaid API | Link to Repository

Mar. 2025

- Engineered a comprehensive stock overview feature using **Polygon API** and **React Native**, designed to boost user engagement with portfolio management by an estimated **15%** and enhance personalized financial tracking.
- Designed and maintained a robust and scalable **Firebase** backend using **Firestore** and **Storage**, ensuring seamless real-time data flow for transactions and stock portfolios, achieving **99.9% data accuracy** and instant updates.
- Integrated **Plaid API** with React Native(Expo) to deliver a smooth, cross-platform mobile experience with secure financial data synchronization, targeting over **95%** successful bank account **linkages** and a seamless experience.

SAT Decoded | JavaScript, SQL(PostgreSQL), HTML, CSS, Sails.JS | Link to Repository

Dec. 2024

- Created an open-source website targeting **800+ students** preparing for the SAT for my IB Diploma.
- Improved accessibility to SAT resources through interactive quizzes, resource uploads and a report mailing system.
- Built using HTML, CSS, PostgreSQL, and JavaScript with SailsJS, SendGrid API for email reporting.

TECHNICAL SKILLS

Languages & Frameworks: Java, Python, SQL(Postgres), JavaScript, HTML/CSS, R, \LaTeX , React, Node.js, Svelte

Tools: Git, Google Cloud Platform(GCP), VS Code, Visual Studio, PyCharm, IntelliJ, Homebrew, Firebase, RStudio, Docker, bash, AWS(Lambda, Amplify, S3, EC2, Step Functions), Jupyter Notebook, MS Office, Azure DevOps

Libraries: Pandas, NumPy, Matplotlib, Seaborn, Geopandas, TensorFlow, SciKitLearn, tidyverse(ggplot2, dplyr)