

# 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), Front end and Back end Development, Object-Oriented Programming (Java), Intermediate Data Programming (Python), Databases

## EXPERIENCE

### Incoming Director

Sep. 2025

*Eat Together | [eat-together.org](https://eat-together.org)*

*Seattle, WA*

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

### Data Science Intern

Jun. 2025 – Present

*FlyDubai*

*Dubai, UAE*

- Developed models to predict flight delay accuracy for **600,000+ rows** and **90+ features** with an **80%  $R^2$** .
- **Integrated** data from **5+ sources** to build the ETL + **ML pipeline** using AWS Step Functions and SageMaker.
- Optimized **operational efficiency** by **3%** through a **PuLP-based** linear programming **optimizer** in Python.
- Achieved **30% improvement** in sentiment analysis accuracy by testing **3 prompting techniques** on Amazon Bedrock.

### Software Engineer | [github.com/swecc-uw](https://github.com/swecc-uw)

Apr. 2025 – Present

*Software Engineering Career Club | [swecc.org](https://swecc.org)*

*Seattle, WA*

- Led SWECC Labs, mentoring **35+ students** to open-source development for career growth.
- Improved the job search process for **2000+** aspiring software engineers by developing and enhancing platforms across **38+** repositories

### Development Lead

Dec. 2024 – Present

*Eat Together*

*Seattle, WA*

- 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

*Eat Together*

*Seattle, WA*

- 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

### Bingo on the Ave | *Firebase, Google Places API, React Navigator* | [avebingo.vercel.app](https://avebingo.vercel.app)

Apr. 2025

- Developed Bingo on the Ave, a **React** site for students to visit places near UW, targeting **40,000+** students.
- Integrated geolocation and Google Search APIs with anti-cheating checks to track visits to **9** essential locations.
- Awarded **3rd place for Overall** in the **SWECCathon** with praise from all **5** judges for the prototype.

### 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 and, resource uploads.
- 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)