

ADITI S. PHADKE

US Citizen | 408-893-9730 | aphadke@uw.edu | asphadke.github.io

EDUCATION

University of Washington, Seattle

Class of 2027

M.S. Computational Linguistics

- **Research Focus:** Speech Recognition, Multilingual ASR Evaluation, Neural Audio Models
- **GPA:** 3.87/4.00
- **Related Coursework:** LLM Benchmarking and Evaluation, Automatic Speech Recognition (ASR) Systems, Speech Technology for Endangered Languages, Methods for Natural Language Understanding, Phonology, Morphology, Syntax, Machine Learning, Data Structures & Algorithms, Artificial Intelligence Ethics

University of California, Santa Barbara

Class of 2020

B.A. Statistics and Data Science; Economics (dual degree)

- **Related Coursework:** Multivariate Time Series Modeling, Monte Carlo Methods, Regression Analysis, Game Theory

RESEARCH AND RELEVANT PROJECTS

A Study of Challenges in Mental-Health AI Evaluation Infrastructure

Summer 2026–present

- Interviewed 20 clinicians, benchmark developers, lived-experience advocates, and policy researchers to investigate major barriers to building evaluation tools for mental-health AI
- Synthesized observed challenges: fragmented evaluation tools, limited real-world data, misaligned incentives, and competing definitions of harm into recommendations for shared evaluation infrastructure

Realism Is Not Enough: Meta-Evaluating LLM Safety Benchmarks

Spring 2026–present

- Examined static benchmarks and simulated multi-turn conversations to determine which psychological-safety claims each evaluation approach can support
- Analyzed assumptions about synthetic users, conversational trajectories, and LLM judges; developed guidance for aligning safety claims with validated evaluation evidence

Fairness in Audio LLMs (FALLM) | *OpenAI Whisper, Python, PyTorch*

Gina-Anne Levow (Advisor): Winter 2026

- Researching the performance of pretrained transformer-based ASR models (e.g., Whisper) and other neural ASR models across multilingual settings
- Analyzing cross-lingual interference effects in shared-script languages (Hindi, Marathi, Nepali) and conducting linguistic error analysis
- Investigating token-level uncertainty, entropy, and decoding behavior in large speech models
- Building evaluation pipelines for neural speech systems using Python + PyTorch-based tooling to quantify model uncertainty and performance across languages

Speaker-Dependent Voice Assistant | *Python*

ECE 516: Fall 2025

- Trained a first-order HMM with single-state Gaussian emissions for acoustic modeling, achieving a 92% accuracy rate
- Created a dataset of 720 in-class recordings of my voice to minimize acoustic mismatch between training and testing conditions, enabling a stable live demo
- Partitioned the dataset into five folds to evaluate phrase-level performance, diagnose error patterns, and inform design decisions for the final model
- Compared classical HMM-based ASR with modern neural approaches
- Experimented with model parameters and ultimately added delta features to the final system

WORK EXPERIENCE

Graduate Student Research Assistant

Seattle, WA

Paul G. Allen School of Computer Science and Engineering

June 2026 – Sept. 2026

- Led the qualitative research efforts to interview 20 experts in the mental health AI domain, as part of an NSF program
- Delivered weekly presentations to NSF on behalf of the CoralMind nonprofit organization (under the research umbrella of the Behavioral Data Science Lab) and completed tasks weekly towards completion of the program
- First-author of an upcoming paper examining broken infrastructure blocking the development of AI evaluation tools for mental health-AI

Senior GTM Product Manager

New York, NY

PromptQL

June 2023 – May 2025

- Conducted and published comprehensive user case studies (Fortune 50), wrote detailed PRDs to organize engineering efforts, and served as an essential bridge between engineering, marketing, and sales
- Launched PromptQL's agentic AI layer, PromptQL, which ultimately became the new company brand

Senior GTM Product Manager

New York, NY

*New Relic**Jan. 2022 – May 2023*

- Spearheaded the re-launch of Browser Monitoring at New Relic Futurestack 2022, serving as a keynote speaker
- Led the pricing change for Synthetic Monitoring, handling customer issues and generating \$10M of revenue in the first quarter

Associate Product Manager

New York, NY

*Datadog**Oct 2020 – Jan. 2022*

- Led the product launch of a new software, Database Monitoring, geared towards simplifying database admin work
- Maintained competitive intelligence documentation to ensure strong market positioning
- Worked across engineering, design, and marketing to improve customer UX for Incident Management and SLO product lines

Cloud Solutions Engineer

Santa Monica, CA

*Oracle**July 2019 – Oct. 2020*

- Developed proof of concepts for customers, cleaning their data and displaying key metrics using Oracle Analytics Cloud
- Created a barcode scanner app using Oracle Application Express for a Fortune 100 inventory management solution
- Presented product demos to customers regularly, helping sellers close deals and reporting bugs or sending customer-driven feature requests to product managers

Data Analyst Intern

San Francisco, CA

*PricewaterhouseCoopers LLP**June 2018 – Sept. 2018*

- Tested and debugged an image-recognition based scraping tool that was used internally to extract data from documents for Fortune 500 customers
- Cleaned data using R and Python and imported it to Tableau to create data visualizations for various clients

SKILLS**Programming Languages:** Python, SQL, R**Spoken and Written Languages:** English, Marathi (bilingual proficiency), Hindi, French**Frameworks:** PyTorch, FastAPI, React, Node.js, Swift (iOS), IPA**Developer Tools:** Git, Linux, Praat, AWS, GCP, Oracle Cloud, Jupyter, PyCharm, Datadog, New Relic**Libraries:** NLTK, pandas, NumPy, Matplotlib