# Vaibhav Agrawal

♥ Seattle, WA ☑ va8817@gmail.com • avaibh.github.io in avaibh • avaibh

#### Education

New York University

Sep 2019 - Dec 2020

MS in Computer Science (GPA 3.85/4.0)

Indian Institute of Technology Kharagpur

Jul 2015 - Apr 2019

Bachelor of Technology (GPA 9.03/10.0), Gold Medalist Z

## Experience

Meta

Software Engineer

Bellevue, WA

Feb 2025 - Present

- Developing scalable systems for monetization's signal growth team for Facebook
- o Collaborated on strategic initiatives to enhance platform revenue and user engagement
- Engineered technical solutions to optimize Meta's platform monetization strategies and performance metrics

Software Engineer II

Seattle, WA

Amazon (Twitch ☑)

Mar 2021 - Feb 2025

- o Led cross-team effort to launch seller of record in EU 🗹 driving \$12M annual savings through forex fee reduction
- o Developed in-house recurring billing management engine, reducing subscription management fees by up to 10%
- Introduced regression component testing for critical payment paths, reducing bug-induced incidents by 85%
- o Standardized async job architecture, driving team-wide adoption and fast-tracking promotion to SWE II in 1y

## Associate Product Manager Intern

San Francisco, CA

Sales force

Jun 2020 - Aug 2020

- o Developed a centralized calendar tool on GUS to streamline release schedule tracking across Salesforce teams
- Collaborated with various stakeholders to design an intuitive solution that eliminated fragmented tracking methods

#### Expertise

Languages: Python, C++, Golang, JavaScript, Java, SQL

**Technologies:** AWS, Postgres, React, GraphQL, TensorFlow Coursework: Algorithms, OS, ML, Deep Learning, AI, NLP

**Projects** 

#### **Tutor Matching Platform**

2020

- Developed a RESTful tutoring management web app with intelligent student-tutor matching algorithm
- o Tools Used: React, Django, Postgres

## Twitter Bot Detection

- Developed a big data machine learning model with 91% accuracy for detecting political propaganda bots on Twitter
- o Tools Used: Spark ML, Kafka, MongoDB

### Sanskrit Language Learning Android App

aithub.com/avaibh/SansTranslate ☑

- o Created an interactive Sanskrit learning app featuring vocabulary lists, pronunciation guides, quizzes, and viz aids
- o Tools Used: Java, XML, Android

More projects available at avaibh.github.io

#### **Publications**

- o Vaibhav Agrawal et al. Crash severity analysis through nonparametric machine learning methods 

  ✓ Journal of East Asia Society of Transportation Studies 2019 Volume 13 Pages 2614–2629. (Cited By 9 

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