

Vaibhav Agrawal

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Education

New York University <i>MS in Computer Science (GPA 3.85/4.0)</i>	<i>Sep 2019 – Dec 2020</i>
Indian Institute of Technology Kharagpur <i>Bachelor of Technology (GPA 9.03/10.0), Gold Medalist 🔗</i>	<i>Jul 2015 – Apr 2019</i>

Experience

Software Engineer <i>Meta</i>	<i>Bellevue, WA</i> <i>Mar 2025 – Present</i>
<ul style="list-style-type: none">Developing scalable systems for monetization's signal growth team for FacebookCollaborated on strategic initiatives to enhance platform revenue and user engagementEngineered technical solutions to optimize Meta's platform monetization strategies and performance metrics	
Software Engineer II <i>Amazon (Twitch 🔗)</i>	<i>Seattle, WA</i> <i>Mar 2021 – Feb 2025</i>
<ul style="list-style-type: none">Led cross-team effort to launch seller of record in EU 🔗 driving \$12M annual savings through forex fee reductionDeveloped 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%Standardized async job architecture, driving team-wide adoption and fast-tracking promotion to SWE II in 1y	
Associate Product Manager Intern <i>Salesforce</i>	<i>San Francisco, CA</i> <i>Jun 2020 – Aug 2020</i>
<ul style="list-style-type: none">Developed a centralized calendar tool on GUS to streamline release schedule tracking across Salesforce teamsCollaborated 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	<i>2020</i>
<ul style="list-style-type: none">Developed a RESTful tutoring management web app with intelligent student-tutor matching algorithmTools Used: React, Django, Postgres	
Twitter Bot Detection	<i>github.com/avaibh/birdbot 🔗</i>
<ul style="list-style-type: none">Developed a big data machine learning model with 91% accuracy for detecting political propaganda bots on TwitterTools Used: Spark ML, Kafka, MongoDB	
Sanskrit Language Learning Android App	<i>github.com/avaibh/SansTranslate 🔗</i>
<ul style="list-style-type: none">Created an interactive Sanskrit learning app featuring vocabulary lists, pronunciation guides, quizzes, and viz aidsTools Used: Java, XML, Android	

More projects available at avaibh.github.io [🔗](#)

Publications

- **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 [🔗](#))
- D Adiga, R Saluja, **Vaibhav Agrawal** et al. [Improving the learnability of classifiers for sanskrit ocr corrections](#) [🔗](#) Computational Sanskrit & Digital Humanities 2018 Pages 143–161. (Cited By 7 [🔗](#))