VIDIT AGRAWAL

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EDUCATION

University of California, Santa Barbara   Expected Graduation: June 2024
B.S. in Computer Science
Regents Scholarship - top 2% of class, Dean's Honors

EXPERIENCE

Meta (formerly Facebook)   Summer 2022
Backend Software Engineering Intern   *Seattle, WA*

· Migrated Instagram Media + Screenshare surfaces to server-sided rendering on the Watch Together interface on Messenger using Hack; decreased load-times by 30% and increased DAU by 0.025%
· Built new REST endpoint in Instagram codebase to query profile media given a user ID using Django and Thrift.
· Led initiative to consolidate client code paths, which allowed continuous development and fewer chances for bugs.

San Jose State University   December 2019 - April 2020
Research Intern   *San Jose, CA*

· Used R to implement MANOVA and ANOVA libraries to distinguish biological traits between excavations.
· Manipulated data to understand Pillai's Trace and Wilk's Lambda observation techniques and determine differences in data collection.

PROJECTS

faceAttend   February 2019
iOS Developer   *hackCupertino*

· Developed iOS application to attendance implementing Microsoft Azure API's facial recognition technology.
· Stored encrypted location and image data in Google Firebase to verify student identity and proximity to classroom.
· Earned 3rd place award and proclamation from Cupertino City Council for excellence and innovation.

vea   May 2020
Software Developer   *MasseyHacks*

· Developed iOS application using Swift to filter out negative news from the New York Times daily selection to positively impact the mental health of readers.
· Built an ETL pipeline in python using TextBlob API in conjunction with NYTimes API to analyze the sentiment of an article, transform by filtering out negative news, and push to a realtime Google Firebase Database.

doToday   April 2021
iOS Developer   *HackVH & BAYCO Hackathon*

· Developed a scheduling iOS application leveraging the technique of time-boxing to help users manage time more effectively while productively collaborating with peers.
· Employed Apple's NLEmbedding framework to filter similar tasks and display them to users with aligned schedules.

hackswiftly   January 2018 - August 2020
Website Designer & Founder   *Virtual*

· Designed a website to coordinate hackathon logistics receiving 5,000+ impressions for 225+ participants from 24+ countries using JavaScript, HTML, and CSS.
· Led a team of 9 students to host 2 virtual hackathons and raise $70,000 in sponsorship money.

TECHNICAL STRENGTHS

Computer Languages	Java, Swift, C++, Python, HTML/CSS/JavaScript, R, Hack, Bloks
Specializations	iOS Development, Back-end Data Management, ML/AI, ETL Pipeline
Databases	Google Firebase
Software	Xcode, Sublime Text, Sketch, VSCode, Github