

Ayush Majumdar | 510-634-1253 | ayush.majumdar1@gmail.com | linkedin:
<https://www.linkedin.com/in/ayush-majumdar-473209204/> | BS in Data Science Major @
University of California, Davis | Target Graduation: June, 2025

Relevant Coursework: APCS, Statistical Data Science (I,II,III), MV Calculus, Data, Logic, and Computing, Data Structures, Linear Regression

EXPERIENCE

SWE (MOBILE APP DEVELOPMENT (ENGINEERING/TECH) INTERN AT ALBERTSONS CO. *40 hrs per wk. 8 wks.*

Worked with Kotlin, PowerBI and Android Studio on AcuPick (eCom Picking app) and Safeway Applications.

SWE Intern

- Worked back-end on mobile development with accurate delivery picking softwares for retail.
- Analyzed picking data using PowerBI, and returned efficient strategies and possibilities to implement efficient service.
- Focused on Two-Way Communication between customers and pickers, e.g. calling and texting softwares with Twilio.
- Data Analyzed potential benefits and issues with integrating Twilio into Albertson's Systems.

AI/MACHINE LEARNING DEVELOPER FOR AGGIE SPORTS ANALYTICS. *8 hrs per wk. 10 wks.*

UC Davis-Based Organization that uses AI/ML to analyze trends and build tools/models for public access and prediction usage.

AI/ML Developer

- Utilized OpenCV, Python (Pandas/Numpy/SciKit)
- Working on a 4 person development team to build a project that takes the two-minute report from NBA games to analyze trends in referees, affected games, and false calls to create models to improve future games.

RESEARCH INTERN AT THE COMMUNICATION SOCIETY. *8 hrs per wk. 10 wks.*

The Communication Society is an organization surrounding entrepreneurship, starting businesses, and networking.

Research Intern

- Ins and outs of entrepreneurship and how to further grow businesses and experiences.
- Worked with networking, and studied data and information about businesses
- Researched how to excel a business in our current market with modern strategies, trends, and methods.

PROJECTS

APP UTILIZING TWILIO'S VOICE ANDROID SDK/CALLING FEATURES BETWEEN TWO USERS. *10 hrs per wk. 6 wks.*

- Utilizing KOTLIN, JSon, Gradle, Java, on Android Studio to create an app which enables calling and texting softwares
- Utilized and learned Twilio's Voice Android SDK, as well as gained experience with Firebase and Android Studio

GENERATIVE AI NBA FANTASY RECOMMENDATION TOOL. *8 hrs per wk. 3 wks.*

- Used React and JavaScript to create a full-stack application that recommends NBA players to pick for fantasy.
- Wrote HTML and CSS to build the front-end of the application.
- Integrated OpenAI API to create a player recommending artificial intelligence algorithms.
- Utilized prompt engineering to optimize AI results

CERTIFICATIONS

TIM BUCHALKA PYTHON MASTERCLASS CERTIFICATION. *4.0 hrs per wk. 17 wks.*

- Acquired pre-requisite Python skills to move into specific branches - Machine Learning, and Data Science
- Understand both Python 2 and Python 3, and understanding of Python to confidently apply for Python-based jobs.

KOTLIN FOR JAVA DEVELOPERS CERTIFICATION (TROY MILES)

- Learned how to set up a Kotlin Environment, OOP, using Java from Kotlin and vice versa, DSL Construction, Functional Programming

LEADERSHIP

FOUNDER OF TUTOR4TALENT NON-PROFIT ORG. *4.0 hrs per wk. 52 wks. per yr. 4 yrs.*

- Conducted staff evaluations and realignments in the workforce, running a workplace of over 20 employees..
- Formed and structured strategic relations with clients, while managing a nationwide customer base of over 100 clients.
- Approved, limited, and managed financials, raising over 1000\$ for the organization.

Technical Skills: Python (Pandas), SQL, R | Java (Kotlin), Android Studio, Twilio Voice Android SDK | Tableau, PowerBI

Interests: Basketball, Cricket, Gym, Amusement Parks