

AMOGH DHUMAL

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EDUCATION

UNIVERSITY OF WASHINGTON

Bachelor of Science

Major in Computer Science | Cumulative GPA: 4.0/4.0

Seattle, WA

Expected Sep 2023 - June 2027

CARLMONT HIGH SCHOOL

High School Degree

Relevant Coursework: Machine Architecture, AP Computer Science A, Advanced CS Structure & Interpretation, Multivariable Calculus, AP Calculus BC, Data Science, AP Physics 1, AP Physics C

Belmont, CA

Aug 2019 - June 2023

WORK EXPERIENCE

SANDBOX VR

Augmented Reality Specialist

San Mateo, CA

Dec 2022 – May 2023

- Delivered exceptional customer service to ensure an unforgettable and immersive experience for Sandbox VR guests, resulting in an average rating of 4.8 out of 5
- Demonstrated adept problem-solving abilities in high-pressure scenarios, swiftly adapting to dynamic situations, and guaranteeing that all guests had a seamless and positive experience

COMET

Student Intern

Santa Clara, CA

Feb 2022 – Nov 2022

- Spearheaded a cross-functional team of 8 developers, assisting the strategic development of Comet, a cutting-edge web application that revolutionizes college application management for over 10,000 high school students
- Orchestrated multifaceted projects encompassing computer programming, product development, UI/UX design, and marketing, driving the growth and success of a non-profit startup and accumulating over 300 hours of hands-on experience in various critical domains

PERSONAL PROJECTS

NBA SHOT PREDICTION

May 2023

- Conducted comprehensive analysis of over 128,000 shots from NBA players, extracting valuable insights on shooting tendencies, strengths, and weaknesses to aid in player improvement and personalized training plans
- Implemented data preprocessing techniques, performed a 70/30 split to create training/test datasets, experimented with models like GradientBoostingClassifier, RandomForestClassifier, and LogisticRegression, optimizing hyperparameters to maximize performance.

MENTAL HEALTH EVALUATOR

Aug 2022

- Utilized public Reddit comment data to estimate emotions and mental health conditions, providing a readily accessible resource for anyone interested in exploring mental health estimates based on social media interactions
- Employed a multi-step approach to solving the problem, including sentence tokenization, identification of common words, testing word patterns against depressive subreddits, and analyzing real-life data to estimate depressive symptoms in individuals

ACTIVITIES

DRY ICE ROBOTICS

Software Lead

Belmont, CA

Jan 2022 – Mar 2023

- Led a dynamic, community-based robotics team of 9 high school students, driving excellence in the FIRST competition by consistently designing and constructing exceptional robots that surpassed the specifications of each season's challenges.
- Oversaw the software team's activities, imparting knowledge through comprehensive concept teaching sessions, orchestrating regular meetings, setting clear objectives, resulting in streamlined collaboration and increased team productivity

MIT MEDIA LAB

Machine Learning Trainee

Boston, MA

Jun 2022 – Aug 2022

- Selected as one of 51 students for the highly competitive FutureMakers program, an esteemed MIT Raise initiative designed to cultivate expertise in artificial intelligence
- Showcased the culmination of the program by presenting my AI-generated project to an industry-leading judging panel, and received accolades for project innovation and technical prowess

ADDITIONAL

Technical Skills: Java, Python, C, MySQL, Assembly, HTML, JavaScript

Certifications & Training: LinkedIn Skill Assessments (Machine Learning, Python, OOP, MySQL), Udemy Python & Java Courses