DHEERAJ TALLAPRAGADA

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EDUCATION

UNIVERSITY OF WASHINGTON   Seattle, WA
Freshman, Computer Science   *2025 - Present*
- Incoming freshman intending to study Computer Science

DUBLIN HIGH SCHOOL   Dublin, CA
High School Diploma   2021 - 2025
- GPA 3.84 / 4.00, 4x Varsity Scholar Athlete

Relevant Coursework: Precalculus, AP Computer Science Principles, AP Computer Science A

LAS POSITAS COLLEGE   Livermore, CA
Dual Enrollment (TVROP Middle College) - Computer Science   *2023 - 2025*
- GPA 3.83 / 4.00, Honors Program

Relevant Coursework: Calculus 1, 2, 3, General Physics, Linear Algebra, Statistics & Probability, Differential Equations, Computing Fundamentals

EXPERIENCE

Kaiser Permanente   Dublin, CA
Urgent Care Intern   Jun 2025 - Jul 2025
- Saved 730 manual data‑entry hours per year by automating EHR documentation.
- Navigated Epic for appointment notes, breast and cervical cancer screening bookings, X-ray orders, patient rooming, vital sign collection, and radiology escorts.
- Support clinical operations by managing barcode-based specimen hand-offs to the lab, streamlining exam-room turnover with basic Lean methodologies, participating in daily Agile-style stand-ups to align on KP LAUNCH objectives, and shadowing IT (ticket triage & backup scripting), Administration (PeopleSoft reporting & compliance workflows), and Radiology (DICOM PACS auditing & imaging QC)
- Built and pitched a Python-based AI scanner leveraging NLP to extract screening and order data from patient profiles and auto-populate structured appointment notes.

University of Texas, San Antonio   San Antonio, TX
Research Partner   Apr 2025 - Present
- Develop a two-stage deep learning pipeline that delivered 92% ROC AUC for satellite anomaly detection and 94% accuracy in field disease classification.
- Automate the processing of 5,000+ images, and cut inspection costs by 40% across 500 hectares.
- Conduct research under Dr. Kyrie Zhou to pioneer a scalable precision agriculture framework, supporting sustainable orchard management; integrate Sentinel-2 time series, UAV orthomosaics, and NOAA weather data into a unified pipeline for anomaly localization and tree-level classification

AWARDS AND CERTIFICATIONS
- AIME Qualifier (2025) Earned qualification for the American Invitational Mathematics Examination by placing in the top 2.5% on the AMC 10/12; achieved a score of 10 / 15 on AIME I, demonstrating advanced proficiency in timed problem-solving across algebra, number theory, and combinatorics.