

Neel Gajare

Student @ UC Berkeley, Electrical Engineering & Computer Science

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OBJECTIVE

Motivated student interested in computer science, electrical engineering, and machine learning, as well its applications in the physical sciences. Seeking research and industry opportunities to explore & expand my knowledge in these fields.

EDUCATION

Courses: Structure & Interpretation of Computer Programs, Designing Information Devices/Systems, Data Structures

High School GPA (4.0 scale): **3.99** unweighted, **4.63** weighted

SAT: **1550/1600**

APs: Computer Science A, Statistics, Mechanics, Electricity & Magnetism, Micro/Macroeconomics, Calculus AB/BC, World History, United States History, Language, Literature, Music Theory

AWARDS NVIDIA National Merit Scholarship, Climate Science Olympiad Semifinalist, St. Francis de Assisi Volunteering Award

EXPERIENCE

NLP Researcher @ Berkeley December 2023 - Present

Incoming researcher at Berkeley AI Research, working under Professor Kurt Keutzer on Natural Language Processing project pertaining to low resource machine translation and linguistic segmentation.

Stanford Research Intern June 2022 - Present

Interning in Stanford's Crustal Deformation Lab under Professor Paul Segall. Researched complex magma chamber geometries using Matlab and AI. 1st Author of [abstract](#) published in AGU proceedings, [presented](#) in AGU Fall Meeting. Paper will be published soon. Preliminary research alludes to discrepancy b/w simpler geodetically-derived geometries and conceptual models of collapsing magma chambers.

Organizer, [ThetaHacks](#) June 2021 - December 2022

Ran a student-run hackathon with 500+ participants, 25+ sponsors, 20+ volunteers, and 14 events. Allocated \$20,000 total in prizes and merchandise to competition winners and attendees. Leveraged strategic social media marketing by publishing blogs on various sites and creating posts across numerous social media platforms. Facilitated and supervised participants and managed events.

TiECon Entrepreneurship Bootcamp August 2021 - March 2022

Designed 3-D model and mobile app prototype for product that uses AI to fix a user's sitting back posture. Received testimonials from professional therapist. Planned market strategy and projections. Won #1 Diligent Team Award @ TYE PitchFest.

Stanford ICME Data Science Workshops July 2021 - August 2021

Completed 4 data science workshops @ Stanford pertaining to Data Visualization in Tableau, High Performance Computing, Machine Learning, and Deep Neural Networks.

Intern @ Vasten Inc May 2021 - August 2021

Investigated various deep learning models to expedite simulation software used for semiconductor chip design. Created and managed large databases. Created a Convolutional Neural Network model that achieved greater than 95% accuracy for certain signals in test circuits.

[Kaggle](#) Expert March 2019 - Present

2x expert in datasets & notebooks on Kaggle platform for publishing high-quality datasets & blogs which garnered over 10k dataset downloads and 200k blog views. Used data scraping techniques to collect large amounts of data from sites like Reddit, Twitter, and Google. Performed and published data analysis and applied machine learning models like CNNs and NLP.

SKILLS Python, C++, Matlab, SQL, Scheme, Java, Machine Learning, Neural Networks, Entrepreneurship, Critical Thinking, Data Analysis, Data Scraping, Databases, Research, Algorithms, Problem Solving, Keras, Tensorflow, Pytorch