Nikash Chhadia

224-806-3154 | chhadia@stanford.edu | linkedin.com/in/nikashchhadia | github.com/nikashchhadia

Education

Stanford University Stanford, CA

B.S. in Computer Science, B.S. in Mathematics *Expected June 2025*

GPA: 4.12 — Relevant Coursework: Linear Algebra, Multivariable Calculus, Differential Equations, Mathematical Foundations of Computing, Probability for Computer Scientists, Programming Abstractions, Computer Organization and Systems, Design and Analysis of Algorithms

Barrington High School Barrington, IL

GPA: 4.72, SAT: 1580, National Merit Scholar Commendation, *Aug. 2018 – May 2022*
AP Scholar with Distinction, National Honor Society, Spanish Honor Society

Experience

Engineering Intern June 2021 – Dec. 2021

Stryker Corporation *Wood Dale, IL*

- Designed and programmed an optimized database system to track medical tools and devices using SQL.
- Reconciled the branch's $5 million in inventory, and completed a $1.2 million implant purchase for a hospital.
- Acquired valuable and practical working experience at a Fortune 500 medical technologies company, by working with administrative, inventory, delivery, and sales teams to get more acquainted with the industry.

Physics Program Sep. 2020 – Dec. 2020

Fermi National Accelerator Laboratory *Batavia, IL*

- Engaged in an in-depth exploration of modern physics guided by experts from Fermilab, encompassing particle physics, astrophysics, quantum mechanics, and computing.
- Gained hands-on experience with the inner workings of the Fermi National Accelerator Laboratory, including comprehensive understanding of its components, systems, and operational computers supporting the accelerator.

Youth Board Leader Aug. 2017 – Aug. 2022

St. Alexius Medical Center *Hoffman Estates, IL*

- Organized and actively contributed to several creative projects to help brighten the experience of child patients.
- Spearheaded fundraising events to support the Women and Children's Hospital and Youth Board projects.

Projects

GenAI Bartender July 2023 – Present

- Developing a generative AI model trained on a database of cocktails and ingredients to produce novel drink ideas based on provided ingredients.
- Designing the application using React.js in tandem with the cocktail database API for seamless integration and enhanced user experience.

Stanford Machine Learning Lab Sep. 2022 – Present

- Developed Python-based machine learning models to suggest movies to users by analyzing their viewing patterns.
- Employed a Naïve Bayes classifier and logistic regression model, and currently enhancing my machine learning proficiency by constructing a neural network model using PyTorch.

Golf Club Conserver Sep. 2021 – April 2022

- Engineered a system employing positional sensors to identify absent golf clubs from a bag, notifying users via visual and auditory signals when departing without clubs.
- Utilized C++ in conjunction with the LIS3DH accelerometer library, strategically implementing protothreads to optimize performance on a memory-constrained microcontroller.

Skills

Languages: Python, C, C++, Java, JavaScript, HTML, CSS, SQL, Swift, LaTeX
Libraries: Pandas, NumPy, Matplotlib, Scikit-Learn, TensorFlow, PyTorch, React
Tools: Git, Linux, Jupyter Notebook, Google Cloud Platform, VS Code