

Aniket Mahajan

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EDUCATION

STANFORD UNIVERSITY

Expected June 2026

BS, Computer Science, Artificial Intelligence Concentration | GPA: 3.7

Stanford, CA

- **Languages:** Python, C, C++, Java, BASIC, React.js, Latex, R
- **Platforms:** AzureVM, Jupyter Notebooks, Unity, Colab, GitHub, databases, Web Development
- **Relevant Coursework:** Design & Analysis of Algorithms (CS161), Machine Learning (CS 229), Linear Algebra for Deep Learning (CS 205L), Probability (CS109), Operating Systems (CS111), Object-Oriented Programming (CS106B)

WORK EXPERIENCE

eTelic Inc.

Jun 2023 - Aug 2023

Software Engineering Intern

Glen Allen, VA

- Prototyped and launched new end-to-end web application utilizing **AI image recognition** and cloud infrastructure to create sports highlights, reducing user inputted game footage **time by 95%**
- Articulated objectives in cross-functional environment of 10+ members in U.S. and India for devops tasks
- Defined company workflow for incorporating machine learning with tools like Yolov3 Darknet, Colab, Keras, and AzureVM

Transcribe Glass

Apr 2023 - May 2023

Software Engineer

Stanford, CA

- Designed first of its kind smart assistive glasses for hard of hearing through use of real-time audio processing and captioning
- Spearheaded in-unit transcription, building on large software systems to implement OpenAI **Whisper API** usage

San Jose State University

Jan 2020 – Sep 2022

Physics Researcher

San Jose, CA

- Researched Particle Frustration in Two-Dimensional Materials under direction of Prof. Carolus Boekema
- Took initiative to redesign and debug algorithm model, resulting in **>30% reduced runtime** and **uncapped input size**
- Presented findings ("[Two-Dimensional Frustration Modelling](#)") at American Physical Society and Hawaiian University International Conferences

PROJECTS

Convolutional Neural Network for Sports Highlight Automation | Python, HTML, Keras

August 2023

- Built **end-to-end web application (HTML)** that creates sports highlights from footage with CNNs
- Trained and finetuned CNN with CUDA, achieved **>80% highlight accuracy** and 90% footage reduction
- Integrated UI/UX interface with real time frame detections on custom trained CNN model

BabyLM: Robust Language Generation | Python, PyTorch

April 2023

- Pretrained a small language model built with **transformers** in **PyTorch** using a reduced corpus
- With faster training and inference times, achieved average F1 scores of 60% across a wide range of NLP tasks

Novel Dynamic Heap Allocation Algorithm | C

March 2023

- Optimized heap memory allocation via doubly linked lists and compact payload positioning

Code Runner: an AI Education Platform | Python, OpenAI

February 2023

- Educational game to teach children coding in Python; implemented **LLM** question-answering (OpenAI API) and code-to-behavior functionality
- **TreeHacks 2023** Education entry (devpost.com/software/the-code-runner)

LEADERSHIP EXPERIENCE

Stanford Entrepreneurship Clubs

Director of Business Association of Entrepreneurial Students (BASES)

May 2023 - Present

- Arranging and supervising introductory Frosh Battalion programming for **200+ students**
- Coordinating speaker series spanning 12 CEOs (Atlantic Records, TranscribeGlass), VCs (XFund, PearVC), & influencers (Ali Abdaal) and bonding & field trip events

VC3 Director of Affiliated Stanford Entrepreneurial Students (ASES)

Oct 2022 - Apr 2023

- Organized and facilitated pitch competition with **16 Stanford startups** & 16 VCs, including A16Z, PearVC, Softbank, & Y Combinator