

Armaan Vakharia

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Summary

Aspiring software engineer, skilled in developing scalable tools and applying ML techniques in real-world and academic settings. Eager to contribute to innovative software and AI teams with a focus on applied machine learning and full-stack development.

Skills

Technical Skills: Python, C, C++, Java, JavaScript, React, Flask, Git, Docker, ML Algorithms

Soft Skills: Effective Communication, Technical Troubleshooting, Leadership, Training

Education

B.S., Electrical and Computer Engineering

University of Texas at Austin

Austin, TX

Expected May 2025

GPA: 3.60

Coursework: Software Design & Implementation, Algorithms, Operating Systems, Computer Architecture, Data Science

Experience

Software Engineering Intern

Remote

Alation

Feb 2024 - Dec 2024

- Developed an internal analytics tool modeling compensation data for 500+ employees against market benchmarks, cutting manual data processing time by 60%.
- Automated data analysis and integration using Pandas, significantly reducing HR workload.
- Integrated the tool with existing company software and developed an intuitive front-end for seamless adoption.

iOS Technical Support Advisor

Remote

Apple

Jun 2022 - Jun 2023

- Resolved over 350 technical issues per quarter, while maintaining a 97% customer satisfaction rating.
- Documented customer interactions with detail and accuracy, providing meaningful insights for product engineering teams.

Intranet Development Intern

Fulton, MD

NewDay USA

Jun 2020 - Aug 2020

- Built and deployed a new internal portal for 600+ employees.
- Coordinated with department leads to build custom pages for each department, including custom components with HTML and CSS.
- Led training sessions with department leads to manage and publish new content.

Projects

Clang Taint Analysis

Austin, TX

UT Austin & Ericcson

Aug 2024 - May 2025

Critical performance analysis of C/C++ compiler, Clang's, taint analysis feature, to improve security in widely used open-source libraries, including Redis, OpenSSL, and Postgres.

Are You Social Distancing?

Remote

MIT Beaverworks Summer Institute: Cog*Works

Jun 2020 - August 2020

A computer vision model to determine if a person in an image or video is wearing a mask. Achieved 93% accuracy in testing.

Resource Manager

Austin, TX

ECE 461L: Software Design & Implementation

Jan 2024 - May 2024

A full-stack web application that manages and allocates shared resources among project teams, complete with custom-built authentication.