

Hanif Jilani

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EDUCATION

University of Michigan - College of Engineering

Ann Arbor, MI

Bachelor of Engineering in Computer Science, GPA: 3.2/4.00.

Aug. 2022 – May 2026

- **Awards:** Engineering Dean's List, University Honors, National Society of Collegiate Scholar
- **Courses:** Programming and Data Structures (*EECS281, EECS280*), Web Systems (*EECS485*), Discrete Math (*EECS203*), Computational Linear Algebra (*ROB101*), Building Data-Driven Web Applications (*SI364*)

EXPERIENCE

Instructional Aide at Center For Entrepreneurship (Part-Time)

August 2023 – December 2023

University of Michigan

Ann Arbor, MI

- **Assisted** the instructor with class preparation, including setting up classroom technologies, managing the Canvas course site, and grading student submissions.

Entrepreneurship Study/Internship Abroad

May 2023 – July 2023

Danish Institute for Study Abroad

Copenhagen, Denmark

- Created a simulated startup, **Gro-share-ies**, a ride-share app focused on grocery shopping for college students.
- **Pitched** my startup to various **Angel investors and Venture capitalists** from Denmark and Sweden
- Marketed, created new ideas for audience, market positioning, and solved UI/UX issues for **Neowshop**, a Danish startup focused on making E-commerce accessible to small businesses.

Backend Developer Intern

May 2021 – Sep. 2021

Hafa Math Academy

Chennai, India

- **Automated** the billing and payslip processing using **Google Calendar API**.
- Built a platform using *Nodejs, SQL* to create, manage and organize **250+ students, 100+ tutors & 15 staff**.
- Reduced billing and payslip processing time by **70%** and minimized errors in billing and payslip process by **30%**.
- Built Dashboards with login/password protection and data access restrictions for various roles (student, teacher, staff) using *SQL, Nodejs* and *Reactjs*

Web Developer Intern

Apr 2021 – Apr 2021

The Amaanat (Women's NGO)

Chennai, India

- Built a fundraiser website for helping underprivileged women during Covid-19 using *HTML, CSS* and *JS*
- Built a **E-commerce section** to sell NGO-based cooperative products using *Magento*
- Improved brand awareness, online presence and funding the company received by **45%**

PROJECTS

ask485? - Search Engine | Github Private Repo | Flask, Madoop(MapReduce), HTML, CSS

June 2024

- Built a scalable search engine with a user interface that returns search results similar to Google or Bing.
- Created a segmented inverted index of web pages using a pipeline of MapReduce programs.

insta485 - Instagram Clone | Github Private Repo | Flask, React, HTML, CSS, JS

May 2024 – June 2024

- Built an Instagram clone using client-side dynamic pages and a REST API.
- Constructed a full-stack web app similar to Instagram to enable users to create posts, comments, and personalized profiles using Flask and React frameworks.

SillyQL - SQL Clone | Github Private Repo | C++

February 2024 – March 2024

- Engineered an enumeration of a relational database for data storage and retrieval in C++ 14 that supports efficient insert, remove, select, print, index, and join queries using Hash Tables, Red-Black Trees, and Comparators, and achieve top 10/1000 submissions in runtime.

Piazza Classifier | Github Private Repo | C++

Nov. 2023 – Dec. 2023

- Developed a program that uses **NLP** (*Natural Language Processing*) and **ML** (*Machine Learning*) to identify the most likely subjects of posts on a question forum.

TECHNICAL SKILLS

Languages: Python, C/C++, MySQL, JavaScript, HTML/CSS

Frameworks: Flask, Django, Node.js, React, Dialogflow

Developer Tools: Git, Google Cloud Platform, VS Code, Figma, MS Project, MS Office