

Tanmay Chaudhari

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EDUCATION

B.S. Computer Science

Expected May 2025

Arizona State University, Tempe, AZ

4.0 GPA

Relevant Coursework – Data Structures and Algorithms, Object Oriented Programming, Distributed Software Development, Software Engineering, Operating Systems, Machine Learning, Probability & Statistics, and Digital System Design

TECHNICAL SKILLS

Programming Languages: Python, C++, C, C#, Java, JavaScript

Front-End: React, Angular, HTML, CSS, Bootstrap, Tailwind CSS

Back-End: Node.js, Flask, Express.js, .NET Framework

Tools, Databases, and OS: Jira, SQL, Git, GitHub, Monday.com, Firebase, Pandas, Windows, MacOS

WORK EXPERIENCE

Tutorbot Content Curator, Arizona State University

01/2024 – 07/2024

- Developing content for an AI bot on various subjects like Computer Science, Math, Physics, and Economics.
- Creating short concept videos and tips and tricks posts for various subjects.
- Regularly practicing agile methodologies in the workplace to increase productivity.

Teaching Assistant, Arizona State University (Principles of Programming with C++)

08/2023 – 12/2023

- Managed a class of 180+ students and held office hours for doubts, reviews and discussions.
- Hosting Exam Review sessions and teaching important topics, improving student understanding and engagement.
- Meeting with students individually to discuss in class assessments and activities.

RELEVANT PROJECTS

Wallet Whiz - Personal Finance Tracker | JavaScript, ReactJS, Firebase, Tailwind CSS

Summer 2024

- Developed a **full-stack web application** using JavaScript, ReactJS, Firebase, and Tailwind CSS, enabling secure **Google authentication**.
- Utilized **Firebase** for reliable data storage and management, ensuring user **data integrity** and **protection**.
- Enhanced financial decision-making for users by visualizing spending habits with categorized **charts**, tracking income trends with **dynamic line graphs**, and displaying detailed transaction tables.

Movie Recommendation System | Python, Pandas

Summer 2024

- Developed a movie recommendation system using **Python** and **Pandas**, leveraging **TF-IDF vectorization** and cosine similarity for content-based filtering, and recommend movies based on user preferences.
- Created an interactive **Jupyter Notebook** interface for real-time movie recommendations, handling large datasets from the MovieLens 25M collection.

Stock Finder | C#, HTML, CSS

Spring 2024

- Developed a web platform using **C#** and **ASP.NET** and deployed on ASU web server. Integrated financial metrics and news APIs using **WCF**, **WSDL**, **SOAP**, and **RESTful services**.
- Directed secure user features including **encrypted passwords**, cookies, **CAPTCHA security**, and dynamic XML file manipulation for enhanced security and user experience.

Weather Now | JavaScript, HTML, CSS

Summer 2023

- Developed a web application using JavaScript, HTML, and CSS to provide real-time weather updates for all cities around the world. Implemented Open Weather's **API** to ensure accurate and up-to-date weather forecast.

Word Frequency Analysis | C++

Fall 2022

- Developed a **text parsing algorithm** in C++ using a **binary search tree** to analyze large text files and produce exact word frequency counts. Analyzed texts from the novels of **1200+** pages, providing summaries for each analysis.

EXTRACURRICULAR EXPERIENCE

CodePath Technical Interview Prep

06/2024 - Present

- Attending meetings, connecting with students to solve Leetcode and gaining knowledge about technical interviews.