SAMIR PATEL

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EDUCATION

BARRETT HONORS COLLEGE AT ARIZONA STATE UNIVERSITY
Cumulative GPA: 3.71/4.00   **Tempe, AZ**
Bachelor of Science in Computer Science (Software Engineering) **(Top 50 CS Program)**   *Anticipated Graduation: May 2025*
Minor in Statistics
Masters of Computer Science   *Anticipated Graduation: May 2026*
Extracurriculars: Finance Accounting Career Club, CodeDevils, Software Developers Association (SoDA), Chess Club
Relevant Coursework: Principles of Programming (Java), Introduction to Engineering (JavaScript), Introduction to Programming Languages (C/C++), Data Structures and Algorithms(C/C++), Machine Learning(TensorFlow), Engineering Capstone (AI chatbot for Real Estate)

DESERT RIDGE HIGH SCHOOL   **Mesa, AZ**
Cumulative GPA: 3.90/4.00   *Graduated: May 26, 2022*
Honors: AP Capstone (2020-2022), Engineering Capstone (2018-2022), National Honors Society (2021-2022)

TECHNICAL SKILLS

LANGUAGES: Java, JavaScript, C++, C, Python, HTML/CSS, SAS
FRAMEWORKS & LIBRARIES: React JS, Pandas, Node.JS, Flask, Dash, JavaFX
APPLICATIONS & OPERATING SYSTEMS: Github, Visual Studios, Windows, Microsoft Office Tools , Linux, Eclipse, Intellij

WORK EXPERIENCE

CITIZENS BANK   **Phoenix, AZ**
Software Engineering Intern   *May 2024 - August 2024*
- Developed an adaptable validation framework to enable controlled access to application features by taking in an object and validations via a JSON file, designed to be accessible for cross-team usage beyond the platform team
- Utilize the validation framework to create an asynchronous validation API that can validate and updates the retrieved information
- Technical Skills Utilized: Java, SpringBoot, Intellij, MongoDB, REST APIs, Postman

MINVEST FINANCE   **Remote**
Software Engineering Intern   *December 2023 - March 2024*
- Participated in backend development for the Minvest Beta Version, enabling users to visualize the numerical variance between their target beta and the stock's beta
- Development of the MinvestED platform with React.js, which includes features such as data storage for seamless session resumption, dynamic live progress bars for video playback, and real-time quiz functionality providing immediate feedback on user responses.
- Technical Skills Utilized: React.js, Pandas, Flask, Python, Alpha Vantage API

GENERAL MOTORS   **Chandler, AZ**
Software Engineering Intern   *May 2023 – August 2023*
- Collaborated across multiple teams to enhance GM's Test Drive website through frontend and backend software development, optimizing the testing platform for various software applications within GMIT and Engineering
- Resulted in significant gains in testing capacity due to the integration of dashboard and issue classification model
- Technical Skills Utilized: React.js, Pandas, Flask, Azure DevOps Server, Natural Language Processing, SQL, Python

PROJECTS

LLM-POWERED TEXT SUMMARIZATION TOOL | *Python, Streamlit, OpenAI GPT-4, OpenAI API*   *September 2024 - Present*
Developed an LLM-based text summarization platform with GPT-4 and Streamlit for rapid content summarization
- Engineered a web-based tool that utilizes GPT-4 for generating concise text summaries, enhancing content accessibility and usability
- Implemented user-friendly features using Streamlit, including adjustable summary lengths and text file download options, improving overall user experience and functionality
- Continuous improvement by enabling multi-document uploads and exploring potential integrations with additional APIs

PEDIATRIC OFFICE AUTOMATION | *Java, JavaFX, & Eclipse*   *January 2024 - May 2024*
Developed an office automation application for a pediatric doctor's office
- Led the development effort by writing code and offering technical guidance as the primary developer within a team of five members.
- Managed project timelines, resources, and task delegation to ensure timely delivery of the application with portals for doctors, nurses, and patients.
- Includes a chat function enabling users to communicate in real-time with medical professionals at the clinic, with chat history automatically saved.

TRENDTRADER | *React.js, CSS, HTML, Python with Flask, & Alpha Vantage API*   *July 2023 - November 2023*
Development of a stock market data application for any stock symbol using an Alpha Vantage API
- Integrated Alpha Vantage API for real-time and historical stock market data, enhancing the application with accurate stock information and customizable data time frames based on user preference.
- Continued development with Python and Flask framework to handle server-side operations, manage API requests, and process data fetched from Alpha Vantage, enhancing the application with dynamic and responsive features.

SKILLS

- Fluency in English and Gujarati; proficiency in Hindi and Spanish
- Detail-oriented and meticulous problem solver adept at fostering a productive and innovative team environment while collaborating effectively with peers, managers, and cross-functional teams to ensure reliable and impactful decision-making.

- Volunteered extensively at various community service organizations, including the public library, homeless shelter, food bank, and Feed My Starving Children, dedicating a total of 160 hours to volunteering.