

Shruti Patel

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EDUCATION

The University of Texas at Austin Bachelors of Science in Computer Science May 2025
Cumulative GPA: 3.72

Coursework: Operating Systems, Computer Organization and Architecture, Linear Algebra/Matrices, Data Structures, Discrete Math, Introduction to Programming, Energy Analytics Machine Learning and Data Science Research

SKILLS AND TECHNICAL TOOLS

Skills: AWS, Java, Javascript, C, C#, C++, HTML, CSS, Swift, TypeScript, Angular, React, Python, Leadership, Communication, Machine Learning, Artificial Intelligence, Cloudshell, Firebase, Github

Work Eligibility: Eligible to work in the U.S. with no restrictions

EXPERIENCE

JPMorgan Chase & Co, Software Engineer Intern June 2023 - Present

- I am working on a full stack application with the Home Lending team, utilizing Java, Angular, Spring Boot, and AWS. Our goal is to streamline the process of marking Chase mortgages as paid off for over 500,000 clients and county authorities, while also facilitating lien release. To achieve this, we are implementing a CI/CD pipeline to convert our existing SOAP API application to a REST API, resulting in a 30% performance increase and an application ready for AWS migration.

- Migrating data using AWS Glue to extract, transform, and prepare data into finely-tuned .json files, enabling SQL analytics for developers

The Home Depot

Software Engineer Intern Fall August 2022 - January 2023

- Developed a frontend application using React, TypeScript, and JavaScript to empower associates in effortlessly monitoring the status of self-checkout registers, resulting in a reduction of self-checkout register downtime by 20%, enhancing customer experience.

Software Engineer Intern Summer May 2022 - August 2022

- Utilized an advanced technology stack comprising Java, Angular, JavaScript, and TypeScript to develop and implement an application for updating the product look-up system and gift card balance system across a nationwide network of 2000+ stores, ensuring seamless management and maintenance of cash registers

Google, Computer Science Summer Institute Scholar July 2021 - August 2021

- Employed an extensive range of front-end technologies such as HTML, CSS, and JavaScript, in conjunction with API integration, Firebase, and Cloudshell, to develop a highly advanced project that enhances personal health and wellness

Texas Ally Real Estate, Web Developer Intern July 2020 - August 2020

- Developed a sophisticated web application utilizing HTML, CSS, JavaScript, and Python, designed to revolutionize the way real estate agents search for nearby listings. By seamlessly integrating the MLS Database API, the application information on 100+ properties

PROJECTS, RESEARCH, AND CERTIFICATION

AWS Cloud Practitioner Certificate; AWS July 2023

Energy and Data Analytics; Freshman Research Initiative; Python August 2021 – December 2021

- Utilized technical skills like Google Colab, Pytorch, Torchvision, PIL, Pandas, Matplotlib, and Numpy, to produce masked images with colors which shows the locations of various geological features using ML, tested on 1000+ satellite images

EZVote; Swift October 2022

- Programmed a user-friendly app using mobile application development to help young voters get politically active; published on the app store of October 2020 and advertised on Karlie Kloss's Instagram, reaching 12.5+ million people