Suyog Valsangkar

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Student at the University of Texas at Austin, class of 2026. Majoring in Computer Science, with a minor in Risk Management. Suyog has a passion for computer science, particularly in the fields of Development Operations, Machine Learning, and Cyber Security; he aims to build solutions that are robust, innovative, and secure in any environment. He enjoys tackling challenges and collaborative efforts, his goal as a computer scientist is to bring bright ideas to life through thoughtful design and efficient code. Outside of school Suyog is a strong chess player, a consistent runner, and an avid astronomy enthusiast.

Experience

Full Stack Development Intern - **Virtue Pro Consulting (May 2025 - Current)**
- Currently working on a full-scale migration project, moving existing frameworks and company infrastructure to the AWS Cloud. Leveraging Python with AWS SDK for automation and scripting, and using Wordpress, HTML, JavaScript, and CSS to support front-end development needs during transition
- Previously managed system administrator tasks and maintained backend infrastructure using PHP and MySQL, including integrating front-end interfaces with dynamic data and server-side variables

(May 2024 - August 2024)
- Assisted with the development of the company's initial website using Flutterflow for front-end design, and Firebase for backend services

Academic Group Leader - The University of Texas at Austin (January 2024 - May 2025)
- Appointed to the role of Academic Group Leader, in charge of managing all mathematics tutors with the Sanger Learning Center, facilitating communication between tutors and management, and developing and implementing methods to provide a better tutoring experience to students

(August 2024 - December 2024)
- Worked with the Sanger Learning Center as a Computer Science and Mathamatics tutor to provide free tutoring and homework guidance to all university students

Head Camp Counselor - The Woodlands Township (May 2024 - August 2024)
- Promoted to Head Camp Counselor, oversaw a team of counelors, facilitated communication between staff and management, acted as bridge between parents and camp authority, developed activity schedules
- Maintained a safe, engaging, and inclusive environment for both campers and counselors while coordinating logistics and resolving on-the-ground challenges effectively

(May 2023 - August 2023)
- Served as a Camp Counselor, stepping into the role of Head Camp Counselor temporarily to lead daily operations in the absence of senior staff

Front-End Support Intern - Larry Deckerhoff (Tata Consultancy Services) (July 2021 - August 2021)
- Collaborated on front-end development for a simple internal web page to display event-related content, using basic HTML, CSS, and design tools to meet presentation needs
- Provided administrative support to a Director, including scheduling meetings, managing calendars, and resolving timing conflicts across departments

Full Stack Development Intern - Digital Texas (May 2021 - July 2021)
- Assisted in the redesign of the official woodlandsonline website front-end using HTML, CSS, and JavaScript to improve usability, and visual appeal
- Contributed to backend development using SQL and ColdFusion, assisting with datahandling and dynamic content generation to support functionality

Projects

Shelter Animal Outcome Predictor - (April 2025)
- Made use of machine learning models and ensembling to create a model capable of accurately predicting the outcome of a shelter animal based on it's conditions at intake
- The model was trained on Austin Animal Shelter data and helped identify factors that influenced an animal's survival rate. The model can be used to aid in improving shelter policies, and allocation of resources

Live Weather App - (January 2025)
- Real-Time Weather Web Application using JavaScript, CSS, and HTML
- Demonstrates knowledge on connecting JavaScript with API to interact with live meteorological data

Accenture Advanced Software Engineering Job Simulation on Forage - (Nov 2024)
- Completed a job simulation focused on OOP, Code Refactoring, Continuous Integration, and Agile Planning.
- Implemented continuous integration pipelines and applied agile methodologies to deliver iterative software solutions.
- Designed modular, maintainable code structures and refactored existing codebases to improve efficiency, readability, and scalability

InstaTab - Hack Texas 2024 Best Novice Hack Entry (Oct 2024)
- Developed a full-stack web application, utilizing an integrated machine learning model to analyze audio files and generate guitar tab music sheets, leveraging React, Flask, JavaScript, and Python.
- Engineered a robust back-end architecture to handle audio conversion and tab generation workflows, ensuring scalability and efficient processing of user inputs.
- Recognized by judges for innovative use of artificial intelligence, and top contender for Best Novice Hack.

Unix Shell - (Aug 2024)
- Designed and implemented a custom UNIX-style command-line interpreter in C, replicating core terminal functionalities and enabling execution of standard Linux commands.
- Added support for advanced features such as concurrent command execution, input/output redirection, and process management, showcasing a deep understanding of operating system concepts.

Education

Bachelors in Computer Science - University of Texas at Austin (Aug 2022 - May 2025)
- BSA in Computer Science / Minor in Risk Management
- 3.4861 Spring 2024 Cumilative GPA

Polymathic Honors Program - College of Natural Sciences at UT Austin (Aug 2022 - May 2024)
- Performed research in external fields and merged findings with elements of Computer Science to create practical application
- One of 3 Computer Science majors in the 2022 CNS honors program

Academy of Science and Technology - (August 2018 - May 2022)
- 4.458 Cumilative weighted GPA upon graduation
- 1520 SAT Score
- One of 70 students to be accepted into the AST Magnet School Program

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Involvement

UT Chess Team Leader - (September 2023 - Current)
- UT Chess C-Team Captain
- 3rd place in 2024 Monthly Intercollege Chess Tournament
- 1600+ USCF Rated Chess Player

Information Systems & Security Society - (August 2023 - Current)
- UT Austin Security and Hacking Org Member, helping design blackboxes, crack-the-safe challenges, and helping newer members get familiar with competitions
- Competed in 2 campus-wide hackathons

DECA - (August 2018 - May 2022)
- 2022 ICDC Semi-Finalist, competed in the Entrepreneurship category, and developed smart and flexible solutions for small to medium sized business
- College Park DECA Leader, helped facilitate meetings between organization members and leadership, conducted study workshops for newer members, managed competition prep events, and helped handled logistics for over 150 members school-wide

Destination Imagination - (August 2014 - May 2022)
- 3 Time Globals-Bound team in 2015, 2021,and 2022. Competed in global wide STEM competition focused on engineering and scientific challenges
- Global Finals winner in 2021, created an online bookclub during the Covid-19 pandemic as a way to keep kids engaged in reading from home, and promote virtual learning

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Skills

Web Development:
- HTML, Wordpress, Flutterflow
- CSS, Bootstrap
- Javascript, React, Node.js

Programming:
- Java, Python, C, C++,

DevOps:
- Kubernetes, Docker
- AWS
- Ruby

Soft Skills:
- Strong Communication Skills
  - Explains technical concepts to non-technical stakeholders
  - Well documented code
- Problem Solving
  - Debugging skills
  - Scalable solutions
- Teamwork and Collaboration
  - Working in Agile and DevOps teams
  - Strong leadership ability
  - Confident pair programming
- Adaptability
  - Learns new tools, frameworks, and languages well
  - Flexible to changing requirements, deadlines, and priorities