

Pavan Marathi

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EDUCATION

University of Texas at Austin

Austin, TX

Bachelor of Science in Computer Science, Minor in Business, Senior, 3.9 GPA

Spring 2025

Relevant Coursework: Software Engineering, Algorithms, Networks, Machine Learning, Cyber Security Clinic

TECHNICAL SKILLS

Languages: Python, C/C++, Java, SQL, Javascript, Bootstrap, HTML/CSS, Matlab, Rust

Platforms: SpringBoot, AWS, NodeJS, React, React Native, GraphQL, Git, Linux

Libraries: PyTorch, Tensorflow, Pandas, NumPy, Matplotlib

EXPERIENCE

Wells Fargo

June - August 2024

Technology Intern Analyst - Chief Technology Office

Dallas, TX

- Monitored Splunk logs to detect and address security issues
- Developed IBM DataPower Gateway scripts using JavaScript to prevent XML injection attacks
- Validated the TLS certification process and managed issuance of Wells Fargo certificates

Wells Fargo

June - August 2023

Technology Intern Analyst - Digital Technology Innovation

San Francisco, CA

- Designed smart contracts to deploy on a private cosmos blockchain to call Wells Fargo APIs using **Go** to run the blockchain, **Rust** for the smart contracts and **JavaScript** for the external adapters
- Developed a website using **React** and **NodeJS** for the frontend with a **GraphQL** and **SpringBoot** back-end to connect to the blockchain environment
- Presented the use case for our product before 20+ Senior VPs and prepared for patent process

University of Texas at Austin

January 2022 - Present

Undergraduate Teaching Assistant: Data Structures — Java

Austin, TX

- Taught weekly discussion for a section of 25 students on lecture content and section problems
- Held lab hours to aid students with project debugging, algorithm efficiency, and code hygiene
- Graded 11 weekly programming assignments and created exam questions to test content understanding

PROJECTS

Pint-OS Operating System | C

August 2022 - December 2022

- Constructed an operating system in **C** from the ground up, featuring priority-based scheduling, system call support, virtual memory management, and a multi-level indexed file system
- Improved system efficiency by 40% through the integration of advanced thread synchronization techniques such as threads, locks, and semaphores, optimizing concurrent execution and significantly decreasing latency.

LEADERSHIP

Association for Computing Machinery

August 2023 - May 2024

Vice President of Social Affairs

Austin, TX

- Coordinated and managed events for CS Week, collaborating with 15+ UTCS organizations, the UT Computer Science department, and faculty members
- Scheduled timeslots with other UTCS organizations to ensure smooth event flow and no conflicts
- Oversaw \$2000 budget for CS Week events, securing and efficiently allocating department funding to maximize event impact

Applied Cybersecurity Community Clinic

August 2024 - May 2025

Cybersecurity Clinic Student

Austin, TX

- Work with the Cyber Security Professionals to provide pro bono services to target target-rich, resource-challenged community organizations, small businesses, and public sector agencies