

# Sai Prashanth Lanka

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## EDUCATION

### Texas A&M University

College Station, TX

*B.S. in Electronic Systems Engineering Technology, Minor in Computer Science*

*Aug. 2021 – May 2025*

- **In-Major GPA:** 3.4/4.0
- **Relevant Coursework:** Data Structures & Algorithms, Discrete Structures for Computing, Program Design & Concepts, Embedded Systems Software Development, Microcontroller Architecture, OS & Computer Systems
- **Awards:** Aggies Invent AI - 1st Place, Aggies Invent Vet Science - 3rd Place, TamuHack - 3rd Place, NSF I-Corp – \$5,000 Award

## EXPERIENCE

### Developer/Technology Intern

Jun. 2024 — Aug. 2024

*MacysTECH*

*Atlanta, GA*

- Increased code coverage of multiple **Java** applications by implementing automated testing with **SonarQube** and **Jenkins Pipelines**.
- Increased Coverage on Macys delivery systems applications from 70% to 90% on two different applications changing and adding hundreds of test cases using **Mockito** and **Assertion** Libraries and streamlining existing production code.
- Developed and maintained a comprehensive suite of **Java** and **JSON** test cases to ensure high-quality application performance.
- Deployed test cases and files to production servers, improving overall system reliability and stability.

### Developer/Technology Intern

May. 2023 — Aug. 2023

*WellMed/United Health Group*

*San Antonio, TX*

- Designed and developed a robust **ASP.NET** file-sharing application to streamline team collaboration and improve overall efficiency.
- Diagnosed and resolved issues with **SSIS packages** and **SQL servers**, ensuring accuracy and integrity of customer data pipelines.
- Proactively managed and resolved support tickets, collaborating with multiple teams to remove roadblocks and ensure successful project delivery on **ServiceNow**.

### Project Management/Governance Intern

May 2022 — Aug. 2022

*Cepheid*

*San Francisco, CA*

- Successfully executed, managed, and maintained key business-focused **IT projects**, ensuring on-time delivery, adherence to budget, and alignment with project scope.
- Collaborated with cross-functional teams and stakeholders to provide clear reporting, streamline processes, and combat roadblocks.
- Supported the addition of a **PMO Project Coordinator**, enhancing project governance and ensuring project goals were met while aiding the **Project Manager** in delivering successful outcomes.

### Cloud Resources Intern

Jan. 2019 — Jan. 2022

*LAK Technologies*

*Dallas, TX*

- Installed and configured applications on **AWS EC2** instances to ensure optimal performance and scalability.
- Configured and managed storage solutions on **AWS S3** buckets to support secure and efficient data management.
- Collaborated with various consultants to foster strong relationships, address challenges, and ensure smooth project execution.
- Generated and issued timesheets for **IT consultants**, ensuring accurate time tracking and seamless project operations.

## PROJECTS

### Portfolio Website

- Developed and deployed a portfolio website using **React.js** and for **Next.js** to display my experiences and projects.
- Designed and implemented **interactive UI components**, delivering a seamless user experience across devices and screen sizes.

### File Sharing Software

- Developed a file-sharing application using **ASP.NET** for internal team use to increase efficiency.
- Allowed users with permissions to force file sharing without a **Control-M** request.
- Technologies used include **ASP.NET**, **JavaScript**, **SSIS Packages**, **SQL**, and **Control-M**.

### SafeStreets

- Designed and developed an application that generates map directions routed away from high-violence/crime areas to ensure user safety.
- Integrated **Google Maps API** to fetch real-time location data and customized routing algorithms and utilized **Python**, **JavaScript**, and **CSS** to implement a fully responsive user interface.
- Technologies used include **Python**, **HTML/CSS**, **JavaScript**, **Ubuntu Servers**, **Swift**, **PANDAS**, and **Google APIs**.

### SmartBets

- Designed and built a community-based web application allowing students to post startups and receive sponsors and product help.
- Technologies used include **Python**, **JavaScript**, **React.js**, and **Firebase**.

### AI Stock Bot

- Developed an **AI-driven** stock trading bot that automatically analyzes market trends and executes trades based on predictive models.
- Technologies used include **Python**, **Machine Learning** algorithms, and **API integration** for real-time data analysis.

## LEADERSHIP

### Co-Founder/Project Manager (*Find It A&M*)

- Cohesively led a team of 14 **Front-End** and **Back-End** developers to create a web application to find important items around TAMU Campus
- Educated entry-level developers in **GitHub**, **Python**, and **JavaScript**.
- Managed developers using a **self-curated Jira** Board to effectively assign and complete tasks.

### Co-Founder/Project Manager (*Sports Survivor League*)

- Effectively led a team of 8 **Front-End** and **Back-End** developers to create a Fantasy Football web application
- Educated entry-level developers in **GitHub**, **API Integration**, **Python**, and **JavaScript**.
- Managed developers using a **self-curated Jira** Board to effectively assign and complete tasks.

### Freshman Engineer Mentor (*TAMU Engineering Mentorship Council*)

- Provided guidance to first-year engineering students on **Resume Organization**, **LinkedIn Optimization**, and **Career Development**.
- Encouraged involvement in campus clubs and organizations to foster professional growth and networking.
- Offered personalized mentorship to help freshmen navigate academic challenges and adjust to college life.

## TECHNICAL SKILLS

**Languages:** C/C#/C++, Python, JavaScript, MongoDB, MATLAB, Java, SQL, HTML/CSS, React.js, JavaScript, Swift, Assembly

**Certifications:** Full Stack Developer Certification, AWS Cloud Practitioner, Machine Learning Certification, ASP.NET Certification

**Developer Tools:** Visual Studio/Visual Studio Code, SSIS, Google API, MATLAB, Pandas, Microsoft Office, Data Structures, ServiceNow, Control-M, Firebase, AWS, GCP, GITHUB, GITLAB, SonarQube, Jenkins, PostMan, XCode

**Libraries:** Mockito, Assertions, pandas, NumPy, Matplotlib, Tkinter, openpyxl, win32com, BeautifulSoup, Selenium