

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

- **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 for multiple Java-based 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 file-sharing application using **ASP.NET** to streamline team collaboration and improve overall efficiency.
- Diagnosed and resolved critical 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, TX

- 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 address challenges proactively.
- 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 a web application that generates map directions routed away from high violence/crime areas to enhance user safety.
- Integrated **Google Maps API** to fetch real-time location data and customized routing algorithms and utilized **Python**, **JavaScript**, and **Google APIs** 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 web application, a community-based web app allowing students to post startups and receive sponsors and product help.
- Technologies used include **Python**, **JavaScript**, **React.js**, and **Firebase**.

AI-based Farming

- Built and prototyped an AI-powered Hydroponic Farm using a variety of sensors and meters to automatically meet plant needs.
- Technologies used include **CAD Modeling software**, **Python**, and **Swift**.

TECHNICAL SKILLS

Languages: C/C#/C++, Python, JavaScript, MongoDB, Assembly, 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