Sai Prashanth Lanka

Dallas, Tx | +1(972) 469-2323 | saip.lanka02@gmail.com | in/sailanka | github.com/sailanka02 | saiprashanthlanka.com

EDUCATION

Texas A&M University - College Station   Aug. 2021 – May 2025

B.S. in Electronic Engineering, Minor in Computer Science

- **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 VetSci - 3rd Place, TamuHack - 3rd Place, NSF I-Corp – $5,000

EXPERIENCE

True Frontier Inc. - *Junior Full Stack Developer*   August 2024 – Present

- Developed an AI call bot using the **PipeCat Framework** and **Daily Services** to intercept and transcribe scam calls.
- Engineered the bot to emulate an elderly individual to provoke scammers and generate actionable data.
- Integrated advanced features to enhance accuracy in transcription and evidence collection, aligning with anti-fraud objectives and supporting user safety.
- Built call server to be deployed on a **Google Cloud Instance** to be integrated into Raspberry Pi Unit.

MacysTech - *Developer Intern*   Jun. 2024 — Aug. 2024

- Increased code coverage on multiple **Java**-based delivery applications by implementing automated testing with **SonarQube** and **Jenkins Pipelines**.
- Developed and maintained a comprehensive suite of **Java** and **JSON** test cases to ensure application performance.
- Deployed test cases and files to production servers, improving overall system reliability and stability.
- Increased Coverage on Macy's Delivery Systems applications to 90% on two different applications and adding hundreds of test cases using **Mockito** and **Assertion** Libraries.

WellMed/United Health Group - *Developer Intern*   May. 2023 — Aug. 2023

- Developed a robust **ASP.NET** file-sharing application to streamline team collaboration and improve efficiency.
- Diagnosed issues with **SSIS packages** and **SQL servers**, ensuring organization of customer data pipelines.
- Resolved support tickets, collaborating with multiple teams to ensure successful project delivery on **ServiceNow**.

Lak Technologies - *Cloud Resources Intern*   Jan. 2019 — Jan. 2022

- 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 project execution.
- Generated timesheets for **IT consultants**, ensuring accurate time tracking and seamless project operations.

PROJECTS

Portfolio Website (saiprashanthlanka.com)

- 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 include **ASP.NET**, **JavaScript**, **SSIS Packages**, **SQL**, and **Control-M**.

SafeStreets

- Designed an application that generates 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 include **Python**, **HTML/CSS**, **JavaScript**, **Ubuntu Servers**, **Swift**, **PANDAS**, and **Google API**.

AI Stock Bot

- Developed an **AI** trading bot that analyzes **market sentiment** and executes trades based on predictive models.
- Technologies 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 Texas A&M Campus.
- Educated entry-level developers in **GitHub, Python, MongoDB** and **JavaScript**.
- Managed developers using a **self-curated Jira** Board to effectively assign and complete tasks.

Freshman Engineer Mentor *(TAMU Engineering Mentorship Council)*

- Guided first-year engineers 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, Java, SQL, HTML/CSS, React.js, Swift, Assembly
Certifications: Full Stack Certification, AWS Cloud Practitioner, Python ML 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