

# Jason Saini

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## EDUCATION

### University of Central Florida

Bachelor of Science - Computer Science (Dean's List x6, Bright Futures Scholar)

Orlando, Florida

August 2020 - December 2024

## SKILLS SUMMARY

**Certifications:** AWS Cloud Practitioner (CLF-C01), AWS Solutions Architect Associate (SAA-C03)

**Languages/Frameworks:** Python, AWS, Java, C/C++, C#, JavaScript, TypeScript, SQL/mysql, Kotlin, Azure, React

**Version Control/Unit Testing:** Git/GitHub/GitLab, Azure DevOps, Postman, XUnit, Gradle, Junit5, Google Test

**Data Science/Visualization, AI, Machine Learning:** OpenAI, NumPy, Pandas, Keras, TensorFlow, Alteryx, Tableau

## EXPERIENCE

### Headstarter

San Francisco, CA

Software Engineer Fellow

July 2024 - August

- Built 5+ AI apps & APIs using NextJS, OpenAI, Pinecone, StripeAPI with 98% accuracy as seen by 1000 users
- Developed projects from design to deployment leading 4+ engineers using MVC design patterns
- Coached by Amazon, Bloomberg, & Capital One engineers on Agile, CI/CD, Git & micro-service patterns

### Amazon

Seattle, WA

Cloud Engineer Intern (AWS)

June 2024 - Present

- Developed custom solution for deployment, monitoring, & maintenance of S3 usage using Python, boto3, & Cloud9
- Integrate CloudWatch & CloudTrail APIs for comprehensive access log management, resulting in a 40% increase in security compliance
- Created & optimized Python scripts for automating routine tasks & troubleshooting Linux instances via SSH, reducing manual intervention time by 30%

### Morgan Stanley

Alpharetta, GA

Software Engineer Intern (Public Cloud)

June 2023 - August 2023

- Internally deployed Azure-based applications & solutions to over 20,000 engineers & analysts
- Independently developed firewall auditor in Python for internally provisioned Databricks engineering environments, reducing validation time by 50%
- Developed a CLI using OpenAI API that automates code generation from user inputs, increasing code throughput by 20%, w/ features for parsing & integrating internal documentation

### Southwest Airlines

Dallas, TX

Software Engineer Intern (Global Distribution Systems)

January 2024 - May 2024

- Engineered a solution to convert Kafka health alerts into support tickets & leadership dashboards, achieving a 40% faster issue resolution & improving response efficiency.
- Enhanced message router service with a unit test, boosting testing coverage by 15%.
- Delivered detailed overview on Generative AI & AWS Bedrock to key stakeholders.

Technology Analyst Intern (Lean Portfolio Management)

January 2023 - May 2023

- Collaborated on enterprise-level Scaled Agile development reporting of over 5,000 employees using Alteryx & Tableau
- Reduced data processing workflow execution time by 75% via query optimization in Alteryx
- Met with executive leadership to collect data analysis & reporting needs.

### Siemens Digital Industries Software

Remote

Software Engineer Intern (Installation Solutions)

August 2022 - Dec 2023

- Enhanced user flows & data persistence for 6 million users, achieving 30% quicker installation experience
- Managed 8 GitLab configurations, enhancing deployment efficiency by 25% & minimizing compilation overhead
- Delivered reliable software written in C++ (Qt) & Java, tracking progress in Jira (Scrum)
- Increased overall accessibility & reliability by 40% via 17 new features & bug fixes

### Optum

Remote

Software Development Intern (Backend)

June 2022 - August 2022

- Created C# API to handle application access approval achieving a 25% reduction in approval time
- Led 4 "Shark Tank" presentations covering Sprint development progress to 200 stakeholders

## PROJECTS

- Student At-Risk Predictor (Ongoing):** Managing team of 5 to develop a full-stack integration for Canvas (LMS) to reliably & accurately predict students at-risk of failing their classes. Developed 99% accurate algorithm for risk-prediction using Python & pandas. [Link](#)
- CNN Image Classifier:** Leveraged a convolutional neural network (CNN) & deep learning for efficient classification to effectively distinguish between "happy" & "sad" images, performing on data sourced from Google Images. [Link](#)
- VS Clone:** Develop a Python-based code editor, mirroring Visual Studio Code's functionalities & aesthetics, implementing API-powered auto-complete, lexer for Python code, & file manager [Link](#)
- SoundScout:** Leverage Spotify API to retrieve information about songs from a specific playlist, perform data processing & feature extraction, & provide recommendations based on similarity & popularity scores. [Link](#)
- J.P. Morgan Software Engineering Virtual Experience:** Used Python & JPMorgan Chase's open source library (Perspective) to generate a live graph that displays a data feed for traders