



## Summary

Dedicated software developer with over 7 years of experience, including 5 years in industry and 1 year freelancing, specializing in designing, developing, and implementing software solutions. Passionate about contributing to innovative projects and expanding expertise in teaching and mentoring. Proven ability to collaborate in team environments and deliver high-quality results within deadlines.

## Education

### MS in Data Science, University of Glasgow, Scotland, UK

Core Modules: Machine Learning, Big Data Systems, Information Retrieval, Text as Data  
Sep 2018 – Dec 2019

### BTech in Computer Science Engineering, Amity University

Core Modules: Data Structures, DBMS, Networking, Software Engineering  
Sep 2013 – Jul 2017

## Industry Experience

### Software Engineer, CCG Technologies

Jul 2017 – Apr 2021

- Automated **VMware vSphere** tasks with **Python** scripts, cutting manual intervention by 50%.
- Built **Python**-based tools for VM deployment, configuration, and monitoring; integrated with existing IT workflows.
- Conducted performance tuning of automation scripts, achieving a 20% improvement in execution times.

### Application Development Analyst, Accenture UK

Jun 2021 – Jul 2024

- Developed **Java** microservices with **Spring Boot & Hibernate**; designed and implemented **RESTful APIs** for core banking and payment systems.
- Managed **SQL** databases handling ₹20 billion in transactions; optimized queries and data models.
- Leveraged **Apache Spark** for large-scale data processing, reducing batch runtime by 30%.
- Collaborated in **Agile** teams; performed code reviews and mentored junior developers.

## Other Experience

### Freelancer

Sep 2024 – Present

- Built responsive front-ends with **React.js** and **Bootstrap**; developed **RESTful** and **GraphQL** backends using **Node.js/Express** and **Python/Django**.
- Designed and optimized database schemas in **MySQL**, **PostgreSQL**, and **MongoDB**; ensured data integrity.
- Integrated **Stripe** (payments), **Twilio** (SMS), and external APIs to extend functionality.

### R&D

- Researching in an area where wildlife will benefit from the advancements of technology.
- Exploring applications of **AI** and **IoT** for conservation and ecological monitoring.

### Digital Marketing Intern, Crazy Holidays

Apr 2016 – Aug 2016

- Increased sales by 20% through targeted online campaigns; boosted website traffic by 80% (**Google Analytics**).
- Designed e-brochures and promotional packages for marketing efforts.

### Development Intern, Crazy Holidays

May 2015 – Jul 2015

- Developed front-end using **HTML**, **CSS**, and **JavaScript**; designed UI layouts for **Android** application.
- Performed routine updates and bug fixes on **ERP** application back-end.

## Key Skills

**Programming Languages:** Java, Python, JavaScript, C++

**Frameworks & Libraries:** Spring Boot, Hibernate, React, Node.js, Spark

**Databases:** MySQL, PostgreSQL, MongoDB

**Tools & Platforms:** Git, UNIX, JIRA, IntelliJ, PyCharm, Jupyter Notebook, Docker, AWS, Azure (AI-900 certified)

**Domains:** Cybersecurity, Machine Learning, NLP, Cloud Computing, Salesforce, Blockchain, Game Theory

## Projects

### Tracking Misinformation on Twitter

Sep 2018

- Built live-streaming tweet crawler and feature-engineering pipeline.
- Developed credibility classifier (real vs. fake) using **NLP** and supervised learning.

### StockTwits Recommendation Using Deep Learning

Jun 2019 – Sep 2019

- Created recommendation engine leveraging hashtags and cashtags; achieved 80% accuracy.
- Analyzed trade-offs between hybrid and collaborative filtering approaches.

## Academic Achievements

- Presented **Pattern Recognition** paper at **National Seminar on Image Processing** (2019).
- Delivered abstracts on **Scaling into Ambient Intelligence** and **IPv6 Adoption in India** (2015, 2016).

## Awards & Scholarships

- **Amity University** 100% Scholarship (2013–14)
- **CV Raman Young Genius Award**, State Division (2009)
- **Academic Excellence Award** in school (three consecutive years)

## Extra-curricular Activities

- Member, **Cultural, Eco, and Literature Clubs** (**Amity University**)
- Volunteer, **Make A Difference (MAD)** (2016)

## Strengths

Optimistic, Quick Learner, Analytical Thinker, Stress-tolerant

Strong Time-management, Personal-management, Leadership, and Team-working skills

## Languages

English (Fluent), Hindi (Fluent), Telugu (Native), French (Rudimentary), Spanish (Rudimentary), Korean (Intermediate)

## Declaration

I hereby certify that the above information is true and correct to the best of my knowledge.

V Sudhanvi Rama Sai