

## Amith Reddy Maada

Hyderabad, India

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### Professional Summary

Results-driven Software Engineer with 3+ years of experience in AWS, Python, DevOps, and Machine Learning. Expertise in developing, deploying, and optimizing machine learning models for business applications. Skilled in cloud-based automation, data analysis, and model lifecycle management using MLOps pipelines. Passionate about improving development efficiency and engineering excellence through automation and best practices.

### Technical Skills

- **Data Analysis:** NumPy, Pandas, Polars, Matplotlib, Excel, SQL
- **Programming:** Python, PySpark, Golang, Java, C/C++
- **Web Development:** React.js, Flask, Django
- **Cloud:** AWS (EC2, S3, Lambda, Sagemaker, EMR, ECS, ECR, IAM, CloudWatch, SNS)
- **DevOps:** Jenkins, Docker, Kubernetes, Terraform, Ansible, Git, Veracode
- **GenAI:** ChatGPT, GitHub CoPilot
- **Operating Systems:** Linux, Windows

### Work Experience

#### Software Engineer | Experian, Hyderabad

October 2024 – Present

- - Developed ML models for North America's FSD business unit to enhance credit report generation.
- - Implemented model deployment pipelines leveraging AWS services and MLOps best practices.
- - Migrated existing mainframe-based C models to Python for improved performance and scalability.
- - Led automation initiatives using AWS, Terraform, and CI/CD pipelines to enhance efficiency.
- - Collaborated with clients and internal stakeholders to define and optimize business models.

## Software Engineer | Caspex-Experian, Hyderabad

November 2022 – October 2024

- - Designed and deployed machine learning models for consumer credit analytics.
- - Automated data preprocessing using Python and AWS Lambda, reducing processing time by 30%.
- - Converted legacy C/C++ models into scalable Python ML implementations.
- - Enhanced DevOps workflows using Jenkins, Docker, Kubernetes, and Terraform.
- - Integrated advanced prompt engineering techniques with GitHub CoPilot for faster development.

## Software Engineer Trainee | Caspex-Experian, Hyderabad

November 2021 – October 2022

- - Automated product workflows using Python, Golang, and DevOps tools.
- - Provisioned infrastructure using Terraform and optimized deployment pipelines.
- - Developed web interfaces using React.js, Flask, and Django for internal tools.
- - Recognized for engineering excellence with an award under the 'Innovate to Grow' category.

## Research & Publications

- Real-Time Video Processing for Ship Detection using Transfer Learning: Published at Springer - Lecture Notes in Networks and Systems (3rd Int'l Conf. on Image Processing & Capsule Networks).
- Deep Learning Hybrid for X-ray Lung Disease Detection: Presented at IEEE International Conference on Advanced Technologies in Intelligent Control & Computing.

## Projects

- - Plant Leaf Disease Detection using CNN – Built a transfer learning model to identify plant diseases using the PlantVillage dataset.
- - Automation of Timetable Management System – Designed a web-based scheduler using genetic algorithms and 3NF database structuring.

## Certifications

- - Infosys Certified Software Programmer
- - Deep Learning Specialization (DeepLearning.ai, Coursera)
- - Python3 Programming (University of Michigan, Coursera)
- - AWS Certified Developer Associate (In Progress)
- - Java Fundamentals at Oracle Academy
- - Database Design and Programming with SQL at Oracle Academy

## Education

Bachelor of Technology (B. Tech) | Kakatiya Institute of Technology and Science

July 2018 – June 2022

### **Languages**

English, Telugu, Hindi

### **Seminars & Talks**

Customer Segmentation using Clustering – Presented on K-Means clustering for targeted marketing strategies.