

# Sooraj G Vaidya

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## SUMMARY

Result – Seeking a Beginner role to Enhance and Explore my technical knowledge gained at Technology in the last Jyothy Institute of three years.

## EDUCATION

BE in Artificial Intelligence And Machine Learning Jyothy Institute of Technology (VTU).	CGPA :8.0	2025/AUG 2021/ MAY
Department of Technical Education, Bengaluru PPC ,Udupi, Karnataka, India	Percentage : 87%	

## TECHNICAL SKILLS

- Programming Languages: Python, C , Java.
- Cloud: AWS.
- Development Tools: VS Code, Postman, Docker, Jenkins, Terraform.
- Web Development: HTML5, CSS, Bootstrap, Django(learning).
- Version Control: Git/Github , Bitbucket.
- Operating systems: Windows, Ubuntu.
- Core Concepts: Machine Learning, Data Structure and Algorithms, DBMS.

## CERTIFICATIONS:

- Docker from Infosys springboard.
- Jenkins from Infosys springboard.
- Java from NPTEL.
- AWS cloud foundations by AWS Academy.
- Machine Learning from Coursera(Learning).

## EXPERIENCE/INTERNSHIPS:

### 1.Cloud and DevOps Intern:

Basava Pracheena Vaidya Anveshana PVT LTD | April 2024 – Present

- Django Application Deployment: Successfully containerized and deployed Django applications on AWS EC2 instances using Docker, with secure SSL/TLS configuration via Let's Encrypt and Nginx reverse proxy setup for seamless HTTP/HTTPS handling.
- Infrastructure Automation: Automated the provisioning of essential AWS infrastructure, including VPCs, EC2 instances, Subnets, and IAM roles, using Terraform to enhance deployment efficiency and consistency.
- CI/CD Pipeline Implementation: Engineered a CI/CD pipeline in Bitbucket that automates Docker image creation and deployment to AWS EC2, with a mechanism to automatically manage and retain the latest three images on the server.

## PROJECTS:

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### 1. Stock Trading Signal Generator:[ongoing]

- Description: Built an interactive GUI using Streamlit that provides buy/sell signals and future market predictions based on news, technical indicators (RSI, Bollinger Bands, Moving Average, MACD), and an LSTM model.
- Technologies Used: Streamlit, Python, LSTM, Pandas, NumPy, Matplotlib
- Key Features:
- Combined technical analysis with news to enhance trading decisions.
- Used an LSTM model to predict future price movements.
- Displayed signals and predictions visually to assist in real-time decision-making.

### 2. Secure Django Application Deployment:

- Description: Deployed a Django application on an AWS EC2 instance using Docker, secured with an SSL certificate from Let's Encrypt.
- Technologies Used: Docker, Django, AWS EC2, Nginx, Let's Encrypt.
- Key Tasks:
- Set up a reverse proxy with Nginx to handle HTTP requests and redirect to HTTPS. □ Obtained and configured SSL certificates to ensure secure communication.
- Built and deployed the application as a Docker container on AWS ec2 instance.

### 3. Automated CI/CD Pipeline with Bitbucket:

- Description: Developed a Bitbucket CI/CD pipeline that builds Docker images and deploys them to an AWS EC2 instance, ensuring efficient image management and automated deployment and this reduced the deployment time 80%.
- Technologies Used: Bitbucket Pipelines, Docker, AWS EC2.
- Key Features:
- Automated the creation and deployment of Docker images from the repository.
- Configured the EC2 instance to retain only the three most recent Docker images, with automatic deletion of older images.
- Ensured that the deployed Docker images start automatically upon deployment.

### 4. AWS Infrastructure Automation with Terraform:

- Description: Automated the creation of AWS infrastructure, including VPC, EC2 instances, Subnets, and IAM roles using Terraform.
- Technologies Used: Terraform, AWS (VPC, EC2, Subnet, IAM).
- Key Achievements:
- Streamlined infrastructure provisioning with infrastructure-as-code.
- Ensured consistent and repeatable deployments of AWS resources.
- Enhanced security by automating the setup of IAM roles and policies.

## Other Activities:

Participated in Samsung Innovation Campus, presented our idea on Decentralized Financial Monitoring System (DeFi Track) and got shortlisted among 50 teams out of 500.