# Saikiran Gopireddy

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## Professional Summary

AWS Certified Solutions Architect and Developer Associate with expertise in Java Full Stack, Spring Boot, and DevOps automation. Proficient in deploying and optimizing AWS services (EC2, EKS, ECS), CI/CD pipelines (Jenkins, Terraform), and containerization (Docker, Kubernetes). Skilled in data analysis using ML libraries and Power BI to deliver actionable insights. Strong communicator focused on building scalable and efficient solutions.

## Technical Skills

**Languages:** Java, Python, JavaScript, SQL, HTML, CSS
**Frameworks & Libraries(API):** React, Springboot, Spring Data JPA, JDBC
**DevOps Tools & Container Services:** Docker, Kubernetes(k8s), Jenkins, Terraform, Ansible, Git, GitHub
**Cloud Platforms:** Amazon Web Services(AWS)
**Monitoring Tools:** Prometheus, Grafana

## Work Experience

**PwC US, Hyderabad** Oct 2025 - Present
*Specialist DevOps Engineer, Hyderabad*

- Deployed containerized applications on AWS ECS (Fargate) using Docker and Amazon ECR, integrated with AWS CodeSuite to build automated CI/CD pipelines for continuous delivery.
- Designed and implemented scalable three-tier architecture solutions on AWS, leveraging ECS, ALB, and RDS, and presented project outcomes and performance improvements to management.

**QWatch Digital Security Innovations, Hyderabad** Oct 2024 - Feb 2025
*AWS DevOps Intern (Remote)*

- Participated in automating infrastructure processes with shell scripting, optimizing CI/CD pipelines using Jenkins, and deploying containerized Node.js applications on Amazon EC2 with Docker, while gaining expertise in Ansible for configuration management.
- Contributed to streamlining workflows with JIRA,Implementing Kubernetes for container orchestration,multi-environment deployments,And continuous delivery pipelines using ArgoCD.
- Took a key role in managing Kubernetes clusters with Minikube, orchestrating pods, configuring Prometheus and Grafana for real-time monitoring, and improving application and network security by configuring firewall settings.

**Infosys, Hyderabad** Oct 2024 - Jan 2025
*Project Intern (Remote)*

- Participated in the E-Doctor System project, developing a user-friendly web application for outpatient doctor appointment management, featuring robust functionality for patients, doctors, and administrators.
- Designed and implemented REST APIs using Spring Boot,following the Spring Boot MVC architecture,and leveraged Spring Data JPA with MySQL for efficient and reliable database management.
- Gained hands-on experience with Core Java, building scalable backend architecture, enhancing user experience with role-based access control, and used Maven for project management.

**EY , Hyderabad** Dec 2023 - Jan 2024
*Power BI Data Analyst (Remote)*

- Created interactive Power BI dashboards, providing real-time data visualizations and actionable insights for stakeholders to drive informed decision-making.
- Applied advanced data cleaning, transformation, and validation techniques to improve data quality and optimize reporting, working with CSV files sourced from Kaggle.

## Education

**Balaji Institute Of Technology and Sciences,warangal** NOV 2021 - Present
B.Tech. in Computer Science and Engineering(SE) *CGPA: 8.7/10*
Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning,Python,Data Structures and Algorithms, Information Retrieval

# Projects

**ABSA : Aspect Based Sentiment Analysis(2024) :**

- Developed a dynamic sentiment analysis web application using React, featuring real-time user feedback and interactive interfaces.
- Utilized a Kaggle dataset for training and testing machine learning models with advanced text preprocessing techniques, ensuring accurate sentiment classification.
- Gained real-world knowledge of how companies leverage sentiment analysis for customer feedback and insights by deploying containerized applications with Docker.

**ANPR : Automatic number-plate recognition (2023) :**

- Participated in developing a real-time ANPR system, using OpenCV for edge detection, grayscale conversion, and shape analysis to extract license plate regions.
- Contributed to enhancing text recognition accuracy with Tesseract OCR, applying bilateral filtering and text sanitization for reliable number plate identification.
- Collaborated on storing extracted license plate numbers in Microsoft Excel, automating data workflows with Python and pandas for structured and accessible outputs.

# Hackathon

**Gemini-Enhanced AI for Mental and Emotional Support :**

- Presented the "Gemini-Enhanced AI for Mental and Emotional Support" app during the hackathon, integrating Google Gemini Pro with Streamlit to deliver real-time, empathetic AI-driven responses to mental health queries.
- Implemented an interactive Q/A system using Gemini's conversational AI, enhancing user engagement and providing personalized emotional support, improving the mental health user experience.

# Certifications

- **AWS Certified Developer Associate**
- **AWS Certified Solutions Architect Associate**
- **AWS Certified Cloud Practitioner**
- **AWS systems Manager**
- **Google Cloud data analytics certification**
- **Salesforce Certified AI Associate**
- **IBM/Coursera Certified Full Stack Software Developer**
- **Microsoft Cloud Skill Challenge 2024**
- **Cisco CCNA Certifications**

# Awards

- Received Gold Medal from mahmood ali(EX home ministry of Telangana) For securing highest marks from my college(Lal- bahadur 'MPC').