

VARSHINI CHALLAGUNDLA

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[Portfolio](#) | [LinkedIn](#) | [HackerRank](#) | [GitHub](#)

PROFESSIONAL SUMMARY

Passionate Software Engineer with 2.5+ years of experience in full-stack development, cloud technologies, and AI/ML. Proven track record at JPMorgan Chase delivering scalable solutions in fraud detection, microservices architecture, and real-time data processing. Strong expertise in Java, Python, AWS, and modern frameworks.

EDUCATION

VNR Vignana Jyothi Institute of Engineering and Technology
B.Tech in Computer Science Engineering (CGPA 9.00)

Hyderabad, TS
Jun 2023

TECHNICAL SKILLS

Languages	Java, Python, JavaScript, TypeScript, SQL, HTML, CSS
Frameworks	Angular, React.js, Spring Boot, Django, Node.js, Express.js
Backend	REST APIs, Microservices, Apache Kafka, AWS Kinesis, IBM ODM
Databases	MySQL, PostgreSQL, MongoDB, Redis, AWS Aurora
Cloud & DevOps	AWS (ECS, EKS, Lambda, etc), Docker, Kubernetes, Terraform, Jenkins

PROFESSIONAL EXPERIENCE

Software Engineer
JPMorgan Chase & Co.

Jun 2023 - Present
Hyderabad, TS

- Enhanced fraud detection systems using IBM ODM and ACTIMIZE, implementing multi-factor authentication
- Led cloud migration to AWS, utilizing Kinesis for real-time data streaming and ECS for microservices
- Developed Buy-Now-Pay-Later platform resulting in 5% customer base increase within 10 months
- Built real-time notification service using Apache Kafka and AWS EKS, achieving \$4k/day reduction in late fees
- Engineered AutoPay system handling 100K transactions/hour, improving performance by 200%
- Optimized infrastructure migration from EKS to ECS, reducing yearly costs by \$7.3K+

Software Engineer Intern
DocBot Pvt. Ltd

Feb 2022 - Jun 2022
Remote

- Developed AI-based Node.js microservices for clinical measures with 90-second SLA using Twilio APIs
- Built appointment scheduling system with efficient UI/UX for remote healthcare delivery

KEY PROJECTS

Hostel Management System

Angular, Node.js, MongoDB

- Full-stack web application for room allocation and student management with real-time updates

AI News Aggregator

Python, Flask, AI/ML, NLP

- Intelligent news platform with AI-powered content curation, sentiment analysis, and personalized recommendations

Speech Emotion Recognition

Python, CNN, TensorFlow, NLP

- ML model for real-time emotion prediction from speech data using NLP techniques and CNN classification

SCD Platform

Python, Django, GORM, SCDQL

- Language-agnostic platform for handling Slowly Changing Dimensions in data-driven applications

Chase Rewards Application

React.js, Java, Spring Boot

- Dynamic rewards web app with fault-tolerant microservices, approved for production by JPMC leadership

PUBLICATIONS & ACHIEVEMENTS

- Publication:** End-to-End Scene Text Understanding for Computer Vision using Machine Learning
- Certifications:** AWS Certified Cloud Practitioner, HashiCorp Certified Terraform Associate, Google Certified Data Analytics Professional
- Achievement:** JPMorgan Chase Code for Good Hackathon 2022 Winner