



HARSHA VARDHAN REDDY GINJALA

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PROFESSIONAL SUMMARY

Backend developer with a strong record of designing and deploying scalable, secure web applications using Python, Flask, and Django. Demonstrated expertise in API development and automation, enhancing system reliability while integrating cloud-based solutions. Proven ability to optimize data workflows and collaborate cross-functionally to deliver high-quality software. Experienced in building solutions that align with modern security and scalability demands.

EDUCATION

USD, Vermillion, USA

Aug 2023 - Dec 2024

Masters, Computer and Information Sciences (GPA: 3.7/4.0)

GNIT, Hyderabad, India

Aug 2016 - Nov 2020

Bachelor of Technology, Electronics and Communication Engineering (GPA: 3.0/4.0)

PROFESSIONAL EXPERIENCE

Accenture | Software Engineer

Feb 2022 - Aug 2023

- Utilized TEMS Cloud to monitor drive tests in real-time, identifying and addressing failing grids by coordinating with drive testers and network teams, resulting in a 90% reduction in skipped test locations and significantly enhancing drive tester performance and network reliability.
- Developed automated reports and scripts to analyze network performance data, reducing manual effort by 30%.
- Optimized data processing workflows for telecom network monitoring, improving data accuracy and retrieval times.
- Built a data validation system using Flask to check for incorrect and duplicate entries before data was processed in ServiceNow.
- Collaborated with cross-functional teams to enhance data accuracy and integrity by automating validation steps.
- Developed and maintained backend APIs using Python and Flask to support internal automation processes.
- Provided training and documentation for vendor teams, improving troubleshooting efficiency and reducing downtime.

Evolve Technologies | Associate Software Engineer

May 2020 - Dec 2021

- Developed a web application to analyze and display the organization's GitHub data in Java using SpringBoot, Hibernate, React.
- Performed CRUD operations on cache to maintain and analyze the data. Developed various UI components in React.
- Written SQL queries to fetch the data from GitHub.
- Developed Rest Services for Patient Referral Transaction that enhances interoperability between clinics.
- Performed Junit testing and Integration testing (Using Jbehave framework).
- Developed a Web application for deployment of personnel for the authorities and the employees.
- Designed and implemented different components such as personnel assortment and personnel deployment using Spring MVC, Hibernate, Java.
- Extensively used core Spring MVC framework for dependency injection of components.
- Used Apache Maven for the project management and building the application.

PROJECTS

Healthcare Appointment Booking System

- Developed a Flask-based web application for scheduling and managing doctor appointments.
- Implemented role-based authentication for patients and doctors, ensuring secure access to medical records.
- Integrated PostgreSQL for storing appointment data and user details.
- Deployed on AWS EC2 with Docker for scalability.

Banking Transaction Fraud Detection

- Designed and deployed a fraud detection system for real-time banking transactions.
- Built a Random Forest-based model to detect fraudulent activities with high accuracy.
- Developed a Flask API to integrate fraud detection with existing banking systems.
- Implemented monitoring dashboards using Grafana for real-time analytics.

TECHNICAL SKILLS

- Frameworks and Tools:** SpringBoot, Flask, React, Jest, Junit, Mockito, Tableau, JIRA, Jbehave, Postman, MapStruct, OpenAPI, HTML, CSS
- Programming:** Java, Python, SQL, R, JavaScript
- Database Management:** PostgreSQL, MongoDB, Redis, Amazon RDS
- Cloud Technologies:** AWS (EC2, S3, RDS, Lambda), CI/CD(Jenkins), Kubernetes, Docker
- Automation & Scripting:** Python (Pandas), Shell Scripting
- Development Tools:** Git, VS Code, IntelliJ, Debugging & Profiling Tools
- Operating Systems:** Linux, Windows Server
- Software Engineering Practices:** Software Development, System Design, Software Development Life Cycle, Code Reviews, Source Control Management, Build Processes, Testing, Operations

CERTIFICATIONS

- AWS Certified Cloud Practitioner