

HARSHA V

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OBJECTIVES

Passionate and results-driven Software Engineer specializing in Full Stack and Cloud-based development. Experienced in building scalable web applications using Python, Django, JavaScript, and AWS. Skilled in designing, deploying, and optimizing reliable software systems with a focus on high performance, scalability, and uptime. Dedicated to continuous learning, collaboration, and innovation in modern software engineering practices.

TECHNICAL SKILLS

- Programming: Python, JavaScript
- Web Technologies: HTML5, CSS3, Tailwind CSS, Django Framework, React JS
- Databases: MySQL, RDBMS
- Cloud Platforms: AWS (EC2, S3, Lambda, IAM, CloudWatch, VPN)
- Version Control & Tools: Git, GitHub, VS Code, AWS CLI
- APIs: REST API design and integration

INTERNSHIP

Cloud Computing Intern

- Designed and deployed serverless applications on AWS using EC2, S3, Lambda, IAM, and CloudWatch.
- Automated infrastructure monitoring and deployment pipelines for improved scalability and uptime.
- Collaborated on performance optimization tasks to improve system reliability and data flow efficiency.

PROJECTS

1. E-Commerce Web Applications

Tech: Django, MySQL, HTML, CSS, JS

- Built a **full-stack platform** with secure authentication, product management, and order tracking.
- Integrated RESTful APIs for seamless front-end and back-end communication.
- Enhanced database performance using Django ORM for scalability and reliability.

2. Hospital Management System

Tech: Python, Django, SQLite

- Developed a role-based **end-to-end management system** for doctors, patients, and appointments.
- Implemented dashboards and data validation to ensure consistency and uptime.

3. Car Parking Management System

Tech: Python

- Designed an automated system for real-time slot tracking and optimized storage operations.
- Applied modular architecture principles for **maintainability and scalability**.

4. Solar Wireless EV Charging System

Tech: Embedded Systems, IoT, Power Electronics

- Designed a **solar-powered wireless charging system** for electric vehicles using **inductive coupling**.
- Integrated **solar panels, microcontrollers, and sensors** for efficient, eco-friendly, and contactless charging.

EDUCATION

Bachelor of Engineering in Electronics & Communication

Adichunchanagiri Institute of Technology Chikkamagaluru | 2021-2025

Diploma in Electronics & Communication

DACG Govt Polytechnic Chikkamagaluru | 2018 – 2021

CERTIFICATION

- Python Full Stack Development in Pentagon Space
- AWS Cloud Practitioner Essentials – Amazon Web Services

EXTRA CURRICULAR ACTIVITIES

Student Coordinator, CHUNCHANA 2024 – Managed event operations and team communication

Student Coordinator, E-Manthana 2024 – Organized departmental events, ensuring workflow.

NCC Navy Cadet (Grade A Certificate) – Developed teamwork, discipline, and leadership through national-level training and community engagement.

DECLARATION

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief.