HARSHA V

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OBJECTIVES

Software Engineer with hands-on experience in requirement understanding, coding, testing, debugging, documentation, and Agile SDLC workflows. Skilled in building and maintaining applications using Python, Django, MySQL, and AWS. Strong ability to create low-level designs, collaborate with teams, prioritize tasks, and deliver high-quality solutions efficiently. Committed to continuous learning and adapting to new technologies.

TECHNICAL SKILLS

- **Programming**: Python, JavaScript (Basics)
- **Web Technologies:** HTML5, CSS3, Tailwind CSS,
- **Frame Works:** Django Framework
- **Databases:** MySQL, RDBMS
- **Cloud Platforms:** AWS (EC2, S3, Lambda, IAM, CloudWatch, VPC)
- **Version Control & Tools:** Git, GitHub, VS Code, AWS CLI, MS Excel
- **Software Development:** REST API Integration

INTERNSHIP

Cloud Computing Intern

- Analyzed and optimized cloud-based application performance using AWS CloudWatch.
- Designed, developed, and deployed serverless components using **EC2, S3, Lambda, IAM**.
- Debugged data flow issues and improved reliability across distributed systems.
- Contributed to documentation for deployment, configuration, and maintenance procedure

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| 2022-2025

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
- Student Coordinator – E-Manthana 2024
- NCC Navy Cadet (Grade A Certificate) – Leadership & Discipline