Varada Krishna Swaroop
Software Developer | Python Developer | API Application Security Enthusiast
Pragati Engineering College

siddhuswaroop@gmail.com
+91-7386605102
www.linkedin.com/in/v-krishna-swaroop

EDUCATION

Degree	Specialization	Institute	Year	CPI
B.Tech	*Computer Science & Engineering*	Pragati Engineering College	2024	7.01
HSC BIEAP	*Physics, Chemistry, & Mathematics*	Aditya Junior College	2020	5.96
SSC	*-*	Dr.Kkr's Gowtham Concept School	2018	9.2

WORK EXPERIENCE

- **Automation & Manual Testing Intern** *[RoboWaves Internship, India]*   *Feb–Apr 2025*
  - Executed **regression, API, and ad-hoc testing** for real-time web applications.
  - Performed **REST API testing and API validation** using **Postman**, validating JSON responses and HTTP status codes.
  - Logged and tracked defects using **Jira** within **Agile/Scrum workflows**.
  - Validated API integrations and identified **logic inconsistencies during testing**.
  - Contributed to QA for **two production-level web applications**.

- **Associate Software Developer Intern** *Clim IT Solutions*   *June 2025 – October 2025*
  - Developed **full-stack web applications** using **Python, Django, React.js, HTML, CSS, and JavaScript**.
  - Implemented **RESTful APIs** with **CRUD operations**, input validation, and error handling.
  - Integrated backend services with **MySQL database**.
  - Performed **API testing and debugging** using **Postman** with JSON validation.
  - Collaborated on application features and backend logic improvements.

PROJECTS

- **Crime Detection Using Multi-Layer Perceptron (Python, Django, Machine Learning)**   *Academic Project*
  - Developed a **machine learning-enabled web application** using **Python and Django**.
  - Implemented **Multi-Layer Perceptron (MLP)** and **Decision Tree algorithms** for classification.
  - Designed backend logic for **data processing and prediction workflows**.
  - Evaluated model performance using **prediction accuracy metrics**.

- **Design of IoT Based Garbage Segregator (IoT, Automation, Sensors)**   *Academic Project*
  - Developed an **IoT-based automation system** for waste classification into **wet and dry categories**.
  - Integrated **moisture sensors** for real-time detection and decision-making.
  - Implemented **real-time monitoring logic** for system status tracking.
  - Designed automated workflows to **reduce manual intervention**.
  - Improved efficiency through **sensor-driven decision mechanisms**.

EXTRA-CURRICULAR ACHIEVEMENTS/ACTIVITIES

- Active member of **Smile to Serve Trust**, contributing to community initiatives.
- Demonstrated **teamwork and leadership** through voluntary activities.

TECHNICAL SKILLS

- **Languages:** Python, C
- **Frameworks / Backend:** Django, FastAPI, Node.js (Basic), REST APIs
- **Web Technologies:** HTML, CSS, JavaScript, React.js
- **Databases:** MySQL
- **Tools:** Git, GitHub, Postman, Jira
- **Core Concepts:** CRUD Operations, API Testing, JSON Validation, Error Handling, Debugging, Agile