SANDHYA PIDISHETTY

+91 8019904551 ◇ Siddipet, Telangana
pidishettysandhya3@gmail.com ◇ https://linkedin.com/in/sandhya-pidishetty ◇ https://github.com/pidishetty-sandhya

PROFESSIONAL SUMMARY

Software Developer with strong foundations in Java, backend engineering, and algorithmic thinking. Skilled in designing RESTful services using Spring Boot and MySQL to build scalable applications. Experienced in developing simulation-based systems and implementing clean architecture for efficient system design. Focused on writing reliable code, improving performance, and building maintainable software solutions.

EDUCATION

B.Tech in Computer Science, Sumathi Reddy Institute Of Technology for Women, Warangal 2023-27(Expected)
CGPA: 8.2/10
Intermediate (MPC), TS MODEL JR COLLEGE, TELANGANA 2021-2023
Percentage: 92

SKILLS

Programming:	Java, Python, C, C++
Backend Development:	Spring Boot, REST APIs, MVC Architecture
Database:	SQL, MySQL
Web Development:	HTML, CSS, JavaScript (Basics)
Core Concepts:	Data Structures and Algorithms, OOP, DBMS, OS, CN, Software Engineering
Tools:	Git, GitHub, Postman, VS Code
Libraries/Frameworks:	NumPy, Pandas, Matplotlib

EXPERIENCE

Full Stack Development Intern — Cognifyz Technologies (In Progress)
- Built a full-stack web application using Node.js and Express, reducing manual workflow effort by 30%.
- Validated 10+ API endpoints using Postman to ensure stable request–response workflows.
- Implemented 5+ backend endpoints for data processing and integration.
- Collaborated with frontend components to integrate APIs and ensure smooth data flow.

PROJECTS

Smart Task Management System — Java, Spring Boot, MySQL
- Engineered 5+ REST APIs for task creation, update, and tracking, improving efficiency by 30%.
- Integrated MySQL with Spring Data JPA to perform CRUD operations and reduce manual effort by 35%.
- Architected a modular backend using MVC design pattern to improve scalability and maintainability.
- Optimized API validation and debugging workflows using Postman.

Smart Autonomous Agricultural Weeding Robot Simulation — Python, NumPy, Matplotlib, FFmpeg
- Designed a grid-based autonomous robot simulation operating on customizable field sizes (e.g., 20×20 grid).
- Developed obstacle detection and avoidance logic across multiple simulation scenarios.
- Visualized real-time field coverage and performance metrics using animated simulations.
- Executed 50+ simulation runs to evaluate navigation efficiency and movement behavior.

GitHub: https://github.com/pidishettysandhya1/automatic-weeding-system

CERTIFICATIONS & ACHIEVEMENTS

- IBM SkillsBuild – Use Generative AI for Software Development
- Cisco Networking Academy – Introduction to Modern AI
- HackerRank – Java (Basics)
- Team Lead – Smart Autonomous Agricultural Weeding Robot Simulation (Academic Project)
- Student Member – IEEE, participated in technical workshops and webinars