DARTHI Y J

PYTHON & JAVA FULL STACK DEVELOPER

+91 9344335242 | darthi.y.j@gmail.com | Coimbatore | linkedin.com/in/darthi-y-j-dd141414

PROFESSIONAL SUMMARY

Detail-oriented and solution-driven Full Stack Developer with hands-on experience in developing end-to-end applications using Java, Python, Flask, Spring Boot, and modern web technologies. Proficient in integrating AI models, managing databases, and building secure, scalable systems. Skilled in delivering high-quality code in fast-paced environments and contributing effectively to team objectives. Committed to leveraging technical expertise to solve real-world challenges and continuously enhance skills in AI and Cybersecurity.

EDUCATION

B.E. – Computer Science and Engineering (2021-2025)
RVS College of Engineering and Technology, Coimbatore
CGPA: 8.1

WORK EXPERIENCE

PYTHON DEVELOPER

PROJECT: ULTRAAIAGENT (May 2025)

- Engineered a platform using Python, Flask, and the OpenAI API, empowering businesses to create and integrate custom AI assistants, reducing initial setup time for non-technical users.
- Developed an NLP-based feature to automatically fetch and analyze customer reviews, delivering actionable sentiment insights that improved decision-making speed by 30%,

PROJECT: AI DIGITAL ADA CHECKER & FIXER (July 2025)

- Engineered a Python-based tool to audit websites for compliance with the Americans with Disabilities Act (ADA), identifying and categorizing more than 50 types of accessibility violations.
- Designed and implemented an "auto-fix" feature that programmatically resolves accessibility errors, improving website compliance scores by over 80%.

STRENGTHS AND EXPERTISE

Languages	: Java (Advanced), Python (Advanced), C (Advanced)
Web Development	: HTML, CSS, JavaScript, JSP, Servlet, Bootstrap
Frameworks	: Spring Boot, Hibernate, Flask, React JS
Database	: MySQL, JDBC, SQL
Tools & IDEs	: Eclipse EE, Visual Studio Code
Libraries & APIs	: Pandas, NumPy, Scikit-learn, OpenAI API
Specializations	: Cybersecurity, OOP, Data Structures (C), Git, REST APIs

CERTIFICATIONS

- Certified Java Full Stack Developer
- NPTEL Certification: Java & C Programming
- Certified Internship in Cybersecurity
- Internship : Python Development
- Industry Training: In-Plant Java Development
- Professional Workshops: Web Development & Data Science

INTERNSHIPS

- **Python Programming Internship** – Gained practical experience in data handling, Flask, and ML models
- **Java In-Plant Training –** Applied Core Java and database integration in practical scenarios
- **Cybersecurity Internship (Windows OS Simulation) –** Conducted simulated penetration testing and system security analysis, identifying vulnerabilities and proposing mitigations

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PROJECTS

Ultra AI Agent

- Technologies: Python, Flask, MySQL, Open AI API
- Developed an AI assistant for fetching and analyzing customer reviews using Natural Language Processing (NLP) and sentiment analysis, with seamless dashboard integration.

AI Email Processor

- Technologies: Python, AI/ML Libraries
- Engineered an intelligent system to automatically process incoming emails and generate context-aware, AI-powered responses to the original sender, significantly improving response time and efficiency.

AI Digital ADA Checker & Fixer

- Technologies: Python, Web Scraping Libraries
- Led the development of a critical tool that audits websites for compliance with U.S. accessibility regulations (ADA) and automatically implements fixes for identified violations.

Parking Efficiency Management

- Technologies: JSP, Java EE, MySQL
- Built a real-time parking space management system featuring full CRUD (Create, Read, Update, Delete) operations and robust session handling for users.

Online Art Gallery

- Technologies: HTML, CSS, Bootstrap
- Created a modern, fully responsive online platform to showcase artworks, complete with advanced categorization and search functionalities.

Remote Exploitation Simulation (Windows 7)

- Technologies: Cybersecurity Tools
- Conducted a simulated penetration test on a Windows 7 operating system to identify, exploit, and document system vulnerabilities for mitigation purposes.

SOFT SKILLS

Problem Solving | Communication | Leadership | Teamwork | Time Management | Adaptability | Creativity