ASWIN N C

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CAREER OBJECTIVE

IT graduate with hands-on knowledge in Python and Full Stack Development (React JS, Django, MySQL). Completed internships, projects, and freelance work demonstrating practical software development skills, including building efficient, user-friendly applications and delivering results in real-world scenarios.

EDUCATION

B.Tech (Information Technology)   2021-2025
- Manakula Vinayagar Institute of Technology
- CGPA: **8.23**

HSC   2021
- Sri Sampourna Vidyalayam
- Percentage: **70.81%**

SSLC   2019
- Achariya Siksha Mandir
- Percentage: **56.6%**

PROJECTS

IOT-BASED GAS REGULATOR CONTROLLER AND MONITORING SYSTEM (MAIN PROJECT)

- Built an advanced IoT-Based Gas Regulator Controller and Monitoring System using sensors and mobile connectivity to track gas levels in real time, detect gas leaks instantly, and enable remote regulator on/off control through a mobile application, significantly improving household safety and operational efficiency.

AI-POWERED UNDERWATER CLEANUP ROBOT SYSTEM - OCEAN ROOMBA AI

- Developed an AI-based underwater robot to detect and collect plastic and steel debris, and monitor oil spills. Awarded 1st place in the "Tech 4 Positive Futures Challenge 2024" organized by Capgemini.

RFID ID CARD DETECTOR (MINI PROJECT)

- Developed an IoT-based RFID ID Card Detector using Arduino for real-time identity verification, achieving 95–99% accuracy. This project improved access-control reliability and ensured faster, more secure identification.

TECHNICAL SKILLS

- Programming Languages: Python
- Web Development: HTML5, CSS3, JavaScript, React JS
- Frameworks : Django
- Database Management: MySQL
- Tools & Platforms – Docker, Git, GitHub, VS Code, Postman

CERTIFICATIONS

- Full Stack Development Course **(CSC)**
- HTML 5, Python Course on **(Udemy)**
- Capgemini training in Full Stack **(TNS India Foundation)**
- UI/UX Design **– (Great Learning)**

EXPERIENCE

Freelance Projects | Full Stack Developer
April 2025 – Present

Smart Appointment Booking System (Completed)
- Developed a hospital appointment system with live patient status tracking using React JS and Python (Django).
- Worked on REST APIs, authentication, and database integration.

Advanced Hospital Management System (Completed)
- Developed hospital management modules including seating, procedure tracking, and inventory management using React JS and Django.
- Implemented real-time monitoring to improve operational efficiency.

Matrimony Web Application (In Progress)
- Developing a matrimony platform with user management and matchmaking features using React JS and Node.js.
- Implementing secure authentication and responsive UI.

INTERNSHIP

- Completed an internship in AI Research and Development from 1st March 2025 to 31st March 2025 at **Say IT Pvt Ltd**.
- Completed an internship in Full Stack Development from 3rd July 2024 to 3rd August 2024 at **NoviTech R&D Pvt Ltd.**

AREA OF INTEREST

- Web Development
- UI/UX Design
- Full Stack Python

ACHIEVEMENT

- **Winner**, Tech 4 Positive Futures Challenge 2024 – Youth Voices Edition, organized by **Capgemini**, Chennai.

(ASWIN N C)