ASWIN N C

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PROFESSIONAL SUMMARY

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)
- Designed an IoT-enabled system to monitor gas levels in real-time and detect leaks, with mobile app control for remote on/off functionality, improving safety and convenience.

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)
- Built an RFID-based ID card detection system with 95-99% accuracy for reliable identity verification, enhancing security measures.

IOT-BASED WATER LEVEL MONITORING SYSTEM (MINI PROJECT)
- Created an IoT water level monitoring system achieving 90-95% accuracy for real-time tracking, improving resource management efficiency across applications.

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

- HTML 5, Python Course on **(Udemy)**
- Capgemini training in Full Stack **(TNS India Foundation)**
- UI/UX Design **– (Great Learning)**
- Full Stack Development **(NoviTech R&D Pvt Ltd)**

EXPERIENCE

FREELANCE PROJECTS

Smart Appointment Booking System
Freelance Developer │ April 2025 – September 2025

- Developed a hospital appointment system to manage and track patient flow with live status updates for check-in, payment, consultation, and pharmacy. Built using React JS (Vite) for the frontend and Django for the backend, the system aims to streamline workflows and reduce wait times.

INTERNSHIP

- Completed an internship in AI Research and Development from 1st March 2024 to 31st March 2024 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.**
- Completed an internship "INTERNET OF THINGS" from 20-02-23 to 25-02-23 at **VEI.**

AREA OF INTEREST

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

VALUE-ADDED COURSES / WORKSHOPS:

- Completed a 5-day value-added course on Machine Learning and Deep Learning from 4th February 2025 to 8th February 2025.
- Completed a UI/UX workshop conducted by Zero Schools.
- Completed a value-added course on NLP-AI based chatbot application development by Career Craft Academy, Puducherry.

ACHIEVEMENT

- Winner of Tech 4 Positive Futures Challenge 2024 – Youth Voices edition by Capgemini Held at Chennai

(ASWIN N C)