Nithya R

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CAREER OBJECTIVES

A passionate B.Tech AI & DS student with a strong academic background and practical project experience. Skilled in problem solving, critical thinking, teamwork, communication, adaptability, and leadership, with the aim of driving

EDUCATION

PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY   *2022 – Present*
B.Tech Artificial Intelligence and Data Science   *Current CGPA: 8.44/10*

S.B.O.A. MATRIC HR SEC SCHOOL   *2021 – 2022*
12th Grade   *Percentage : 82.5*

SKILLS

Languages: Python, Java, HTML/CSS, MySQL
Tools: Figma, Git/GitHub, VS Code, Power BI, MS Word, Excel, PowerPoint
Frameworks: Flutter, React

EXPERIENCE

Web Developer   *Remote*
Octanet Services Pvt Ltd.   *Feb 2024 – Mar 2024*

- Developed a responsive landing page using HTML, CSS, and JavaScript, featuring a real-time To-Do List.
- Monitored and maintained the page throughout the internship and documented it for future reference.

ACHIEVEMENTS

MAD AI 24hrs Hackathon | *2nd Runner Up | Machine Learning, PowerBI, Git*   Mar 2024

- Developed an IoT-powered machine and trained a machine learning model for detecting and classifying discarded coconut shells.
- Achieved 96.5% accuracy in shell detection through optimized ML model training.
- Designed an intuitive UI/UX interface for monitoring shell detection in real time.
- Integrated hardware and software components for seamless operation and data logging.

3 IDIOTS Competition | *Finalist | UI/UX, Machine Learning, IoT, PowerBI*   Jan 2024

- Developed an IoT-powered machine and machine learning model for detecting and storing discarded coconut shells.
- Focused on intuitive UI/UX design to visualize real-time shell detection and system status.

Sixth Sense Robotics| *1st Runner Up | Arduino C++*   Nov 2023

- Showcased expertise in robotics and innovative thinking at the PSNACET Dindigul.
- Built a functional robotics prototype using Arduino C++ for real-time task execution.

PROJECTS

Coconut Shell Saver | *Machine Learning, IoT, UI/UX, Arduino C++*

- Developed an IoT machine and machine learning model for detecting discarded coconut shells with 96.5% accuracy.
- Designed a user interface for real-time monitoring and developed the hardware using Arduino for automation.

Health360 | *IoT, TensorFlow, UI/UX, PowerBI*

- ○ Designed a smart wearable using machine learning, sensors and BLE for early detection of labor pain and secure real-time health monitoring.
- ○ Integrated real-time alerts, prediction algorithms, and a mobile UI for emergency response and continuous tracking.

RESPONSIBILITIES

Event Coordinator – Tech Meraki 3.0 (State Level Symposium)   March 2025

- ○ Appointed as the Event Coordinator for the state-level symposium *Tech Meraki 3.0.*
- ○ Successfully conducted and managed multiple events with active participation from various institutions.
- ○ Ensured smooth coordination, promotion, and execution of the symposium, contributing to its overall success.

CERTIFICATIONS

- ○ **Business Analysis Basics Certification**   January 2025
  - – Learned core concepts of business analysis and requirement documentation.
  - – Developed skills in stakeholder analysis and process improvement.
- ○ **Programming in Java – NPTEL (12 weeks)**   November 2024
  - – Covered Java fundamentals, object-oriented programming, and data structures.
  - – Completed assignments and a final exam to earn certification.
- ○ **UI/UX Virtual Course – Infosys Springboard (1 week)**   May 2023
  - – Explored principles of design thinking, wireframing, and user-centered design.
  - – Applied UI/UX concepts through interactive tools and case studies.
- ○ **Python Course and Certification (2 months)**   August 2022
  - – Learned Python programming, functions, and automation techniques.
  - – Built mini-projects demonstrating core programming logic.

EXTRA-CURRICULAR ACTIVITIES

- ○ Completed **Rajya Puraskar** in *The Bharat Scouts and Guides.*
- ○ Hobbies include reading novels, drawing, dancing, and interior design.
- ○ Represented at the **District Level** as a hockey player.

LANGUAGES

- ○ **Tamil** – Native proficiency
- ○ **English** – Intermediate proficiency