

# Nithya R

in Nithya R    ✉ nithyarameshbabu04@gmail.com    ☎ 9385411013    🌐 nithya.com    📍 nithyarameshbabu

## OBJECTIVE

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 a strong drive to innovate and make a meaningful impact.

## EDUCATION

### PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY

B.Tech Artificial Intelligence and Data Science

2022 – Present  
Current CGPA: 8.44/10

### S.B.O.A. MATRIC HR SEC SCHOOL

12<sup>th</sup> Grade

2021 – 2022  
Percentage: 82.5%

### S.B.O.A. MATRIC HR SEC SCHOOL

10<sup>th</sup> Grade

2019 – 2020  
Percentage: 74.6%

## SKILLS

**Languages:** Python (Beginner), Java (Intermediate), HTML/CSS, MySQL (Intermediate)

**Tools:** Figma, Git/GitHub, VS Code, Power BI, MS Word, Excel, PowerPoint

**Frameworks:** Flutter (Beginner), React (Intermediate)

## INTERNSHIP

### Web Developer

Octanet Services Pvt Ltd.

Remote  
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.

## 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.

### Freelancer E-Commerce Landing Pages | React, UI/UX

- Designed and developed a responsive website for the company using Figma and react.
- Delivered within deadline and received positive feedback for design and performance.

### 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.

## 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.

- 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.

## CERTIFICATIONS

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- **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.

## RESPONSIBILITIES

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- 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.

## EXTRA-CURRICULAR ACTIVITIES

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- 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.