# Nithya R

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**GitHub:** github.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**                    *Dindigul*
*B.Tech Artificial Intelligence and Data Science*                    *2022 – Present*
*Current CGPA: 8.44*

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

## TECHNICAL PROFICIENCIES

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

## SOFT SKILLS

Leadership, Team Coordination, Communication, Conflict Resolution, Time Management, Problem Solving

## PROJECTS

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

1. Developed an IoT machine and machine learning model for detecting discarded coconut shells with 96.5% accuracy.
2. Designed real-time monitoring dashboards using PowerBI, similar to marketing analytics reporting.

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

1. Designed and developed a responsive website for the company using Figma and React.
2. Optimized UI/UX for higher engagement and faster load times.

## INTERNSHIPS

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

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

**Junior Software Trainee**                    *Chennai*
*Eagle-HiTech Softclou Pvt Ltd.*                    *Jun 2025 – Jul 2025*

1. Engaged in project-based activities focused on operational and analytical frameworks under the guidance of experienced professionals.

## ACHIEVEMENTS

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

1. Developed an IoT-powered machine and trained a machine learning model for detecting and classifying discarded coconut shells.

2. Achieved 96.5% accuracy in shell detection through optimized ML model training.

3. 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

1. Developed an IoT-powered machine and machine learning model for detecting and storing discarded coconut shells.

2. 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

1. Showcased expertise in robotics and innovative thinking at the PSNACET Dindigul.

2. Built a functional robotics prototype using Arduino C++ for real-time task execution.

## CERTIFICATIONS

○ **Business Analysis Basics Certification**                Jan 2025

  1. Learned core concepts of business analysis and requirement documentation.
  2. Developed skills in stakeholder analysis and process improvement.

○ **Programming in Java – NPTEL (12 weeks)**                Nov 2024

  1. Covered Java fundamentals, object-oriented programming, and data structures.
  2. Completed assignments and a final exam to earn certification.

○ **UI/UX Virtual Course – Infosys Springboard (1 week)**                May 2023

  1. Explored principles of design thinking, wireframing, and user-centered design.
  2. Applied UI/UX concepts through interactive tools and case studies.

○ **Python Course and Certification (2 months)**                Aug 2022

  1. Learned Python programming, functions, and automation techniques.
  2. Built mini-projects demonstrating core programming logic.

## ADDITIONAL RESPONSIBILITY

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

1. Appointed as the Event Coordinator for the state-level symposium *Tech Meraki 3.0.*

2. Successfully conducted and managed multiple events with active participation from various institutions.

3. Ensured smooth coordination, promotion, and execution of the symposium, contributing to its overall success.

## EXTRA-CURRICULAR ACTIVITIES

1. Completed **Rajya Puraskar** in *The Bharat Scouts and Guides.*

2. Hobbies include reading novels, drawing, dancing, and interior design.

3. Represented at the **District Level** as a hockey player.