

EDUCATION

D Y Patil International University	Pune, India
Degree: B.Tech in Computer Science and Engineering CGPA:7.10	June 2022 - Present
Dreams Valley Public School	Satna, India
12th - PCM; Percentage: 83.68	May2020 - May 2021

SKILLS SUMMARY

- **Programming Languages:** Java, Python, C/C++, JavaScript
- **Database:** MySQL, MongoDB
- **Frameworks/ Tools:** React JS, Node.js, Bootstrap, Git, GitHub, AWS (Beginner)
- **Others:** Object-Oriented Programming (OOPs), Data Structures & Algorithms, RESTful APIs, Responsive Web Design, Debugging, Problem-Solving,

WORK EXPERIENCE

Software Developer Intern Radhakrishna Web Solution Link	June 2025 - Aug 2025
<ul style="list-style-type: none">• Developed 10+ responsive web pages using HTML, CSS, and JavaScript for improved UI/UX.• Built client projects including a Gym Website and HosLink property platform.• Implemented PHP–MySQL backend modules for dynamic content and data handling.• Tested, debugged, and deployed full-stack applications on XAMPP. Tech Stack: HTML, CSS, JavaScript, MySQL, TypeScript, PHP, XAMPP	
Research Intern: University of Kerala Link	May 2025 - July2025
<ul style="list-style-type: none">• Researched and compared Neuromorphic Chips vs GPUs for Large Language Model efficiency.• Tested Spiking Neural Networks (SNNs) using Nengo, Brian2, and baseline models in PyTorch.• Explored ANN–SNN hybrid architectures for efficient NLP processing and real-time performance.• Contributed to a research paper, documenting energy efficiency, performance, and societal impact. Skills: Neuromorphic Computing, Spiking Neural Networks, Nengo, Brian2, PyTorch, GPUs	
Web Developer Intern: Agarwal Creations Fashions Pvt. Ltd. Link	Jun 2024 - Aug 2024
<ul style="list-style-type: none">• Developed responsive desktop and mobile-friendly web projects with cross-browser support.• Optimized PHP–MySQL back-end, reducing data processing time by 30%.• Collaborated on 3+ live client projects, delivering customized, scalable solutions.• Designed, tested, and deployed applications on XAMPP with smooth front-end and back-end integration. Tech Stack: HTML, CSS, JavaScript, MySQL, PHP, XAMPP, Figma, Frontend	

PROJECTS

FarmSmart AI Link
<ul style="list-style-type: none">• Built a reinforcement learning–based smart irrigation system using Monte Carlo, TD Learning, Q-Learning, and DQN.• Created a real-data-driven environment using crop, soil, weather, fertilizer, and moisture parameters.• Trained RL agents to optimize irrigation decisions, achieving higher water efficiency than baseline policies.• Developed a Crop Requirement Checker with visual dashboards for irrigation and fertilizer recommendations. Tech Stack: Python, Monte Carlo, baseline policy, TD learning, Q-learning, DQN.
Driver Safety Device Link
<ul style="list-style-type: none">• Developed a real-time driver fatigue detection system, achieving 98% accuracy in drowsiness detection.• Integrated IR sensors with an Arduino Nano to monitor eye movement and trigger instant alerts.• Designed dynamic UI components for an interactive user experience.• Designed a compact, easy-to-install device using Fusion360. Tech Stack: Arduino Nano, Relay Motor Driver, IR Sensors, Arduino IDE, MicroPython, Fusion360

CERTIFICATES

Smart India Hackathon (SIH)-2024 Link
Data Structure and Algorithm (DSA) Link
Amazon Web Service (AWS) Link

EXTRA CURRICULAR ACTIVITIES

- Solved 50+ problems on LeetCode, demonstrating strong problem-solving and coding skills. | **Link**
- Completed a social work internship, contributing to community development and teamwork.
- Anchored and hosted events in school and college clubs, showcasing leadership and communication abilities
- Teaching Assistant: MAD