Pradeep Badu

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Professional Summary

Motivated and curious developer with a passion for building modern web applications. Skilled in Python, Django, and JavaScript technologies. Enjoy solving technical challenges and working in fast-paced environments.

Technical Skills

- **Programming Languages:** Python(Advanced), C(Basics), Java(Basics), JavaScript, HTML, CSS
- **Frameworks & Libraries:** React.js, Django, Tailwind, Django REST
- **Tools & Platforms:** Git, GitHub, Figma, VS Code
- **Databases:** MySQL
- **Concepts:** REST APIs, Object-Oriented Programming (OOP), Responsive Web Design

Education

NITTE Minakshi Institute of Technology, BE in Computer Science — Dec 2022 - June 2026

- **Coursework:** Computer Architecture, Cyber Ethics, Operating Systems

Personal Projects

Food Recommendation System (In Progress) – Web Application — Jan 2025 – Present

- Building a web app that recommends food based on user mood and taste preferences.
- Using Django for backend, with SQL for data handling and HTML/CSS for frontend.

Personal Portfolio Website (In Progress) – Frontend Project — Feb 2025 – Present

- Designing a responsive personal website to showcase projects and skills.
- Focused on clean UI with HTML, CSS, and JavaScript.

Snake Game – Python Project — Nov 2024

- Developed a classic snake game using Python and Pygame.
- Implemented game logic, scoring system, and increasing difficulty.

Tic Tac Toe AI – Python AI Project — Oct 2024

- Created a Tic Tac Toe game with AI using Minimax and Alpha-Beta Pruning.
- Designed a CLI interface with win/tie detection logic.

Academic Projects

Handwritten Digit Recognition (1–10) – Machine Learning Project — Aug 2024

- Built a digit classification model using Python and machine learning.
- Used the MNIST dataset and trained a neural network to recognize handwritten digits from 1 to 10.

OS Scheduling Algorithm Visualizer – Web Simulation — July 2024

- Developed a web-based visualizer to simulate FCFS and SCAN scheduling algorithms.
- Used HTML, CSS, and JavaScript to represent algorithm behavior and performance visually.

Certifications

- **SQL and Database Management Systems** – Infosys Springboard, July 2024
- **Java (Foundations)** – Infosys Springboard, October 2023
- **Basics of Operating Systems** – Cisco Networking Academy, May 2023