Ronit Pathak

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OBJECTIVE

- Full-stack Software Engineer skilled in AI integration and scalable application design.
- Proficient in using current technologies and cloud solutions for user-centric software.
- Dedicated to delivering impactful projects and driving technical excellence.

EDUCATION

Presidency University   Aug 2021 – July 2025

B. Tech Computer Science and Engineering- AI & ML

Relevant Coursework: Artificial Intelligence, Gen AI, Machine Learning, Cloud Computing, IoT

SKILLS

Programming Languages	JavaScript, Python
Frameworks & Tools	MERN, React.js, Node.js, RESTful APIs, Tailwind CSS
Database Technologies	Mongo DB, Firebase, Supabase, SQL Server
Version Control System	Git, GitHub
Core Competencies	Data Structures, Algorithms, Object-Oriented Programming, Debugging, Problem-Solving
Cloud Computing	Google Cloud, Azure
Soft Skills	Team Collaboration, Communication, Attention to Detail, Agile Methodologies, Adaptability

RELEVANT EXPERIENCE

Full Stack Web Developer Intern | WebStack Academy   July 2024 – Sept 2024
- Redesigned workflows by streamlining navigation, implementing multi-step forms, and enhancing dashboard visibility, improving usability.
- Integrated Stripe API with secure measures like tokenization, HTTPS, and webhooks, ensuring seamless single-payment transactions.
- Boosted team efficiency through Agile sprint planning, backlog prioritization, and iterative delivery of high-impact features.

CERTIFICATIONS

Google Cloud - Beginner to Advanced (Gen AI, Gemini for Google Cloud)

Tableau for Data Visualization - Simpli Learn

PROJECTS

KrishiRaksha – Disease and Pest Control App, *Web Programming*
- Developed an AI pipeline leveraging rule-based systems and heuristic methods tailored for agriculture, enabling 95% detection accuracy.
- Sourced and processed data from APIs like OpenWeatherMap, applying normalization techniques to deliver actionable insights.
- Managed diverse data sources to provide accurate, real-time crop recommendations. View Project

Food Delivery Platform, *Web Programming*
- Architected a secure and scalable backend, enabling seamless payment processing and user management.
- Boosted user retention through an intuitive interface and real-time notifications. View Project

Portfolio Page, *Web Programming*
- Designed a dynamic, interactive React-based portfolio with live project updates and CRUD functionality for user comments, enhancing interactivity.
- Integrated smooth scrolling, animated transitions, and tooltips to create an engaging user experience. View Portfolio

Gesture-Based Screen Controller, *IOT Device*
- Led software implementation and hardware integration for an Arduino-based solution, enabling device accessibility for individuals with mobility impairments.
- Used OpenCV and gesture libraries to process camera input, and ultrasonic sensors to detect hand movements.

CO – CURRICULAR ACTIVITIES

Theatre Club Member- Advanced public speaking and team collaboration skills through performances and workshops.

Dance Competitions- Winner of the Banga Bharti Pondicherry Under-18 Folk Dance Competition.