

# Ronit Pathak

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Strategic and results-oriented software engineer specializing in full-stack development, AI integration, and IoT solutions.

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## Professional Summary

Innovative individual specializing in developing scalable applications with React.js, IoT integration, and AI-driven solutions. Skilled in creating user-centric designs that enhance retention and optimizing operational workflows through innovative technologies. Proven ability to deliver impactful solutions that align with business goals and elevate user experiences.

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## Professional Experience

### Full Stack Web Developer Intern

WebStack Academy | July 2024 – September 2024

- Increased platform performance by 20% through modular application design using the MERN stack.
  - Streamlined payment processes for users by integrating Stripe API for secure transactions.
  - Achieved a 15% reduction in project timelines with Agile-driven workflows and efficient collaboration tools.
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## Certifications

- **Google Cloud Skills Boost-** Beginner- Gen AI, Intermediate- Gemini for Google Cloud, Advanced- Gen AI for Developers
  - MathWorks: MATLAB for Data Processing and Visualization
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## Education

### B.Tech Computer Science and Engineering

Presidency University | 2021 – 2025

Relevant Coursework: Artificial Intelligence, Machine Learning, IoT Systems, Cloud Computing

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## Technical Skills

- Programming: JavaScript, Python, NET
  - Frameworks & Tools: MERN Stack, React.js, Node.js, RESTful APIs, CRUD, HTML, CSS
  - Cloud Platforms: Firebase, Supabase, Google Cloud
  - IoT & Embedded Systems: Raspberry Pi, Arduino, IoT Sensors
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## Projects

### Portfolio Page

- A responsive portfolio showcasing skills with integrated CRUD functionality for dynamic updates.
- Powered by Supabase for real-time data handling, keeping interactions smooth and intuitive.
- Doubles as a sleek personal showcase, removing the need for conventional resumes. [View Portfolio](#)

## **Plant Disease Detection App**

- Delivered 95% detection accuracy using Generative AI models and integrated Firebase for real-time analysis.
- Reduced manual analysis time by 70%, assisting over 500 farmers during beta testing.

## **Food Delivery Platform**

- Facilitated 10,000+ monthly transactions with a robust backend architecture and secure payment integration.
- Increased retention by 15% through a seamless user interface and real-time notifications.

[View Project](#)

## **Gesture-Based Device Controller**

- Enabled device accessibility for individuals with mobility impairments, improving usability by **25%** with an Arduino-based solution.

## **IOT Enabled Sorting System**

- Enhanced sorting efficiency by **30%** using Raspberry Pi and IoT sensors for real-time operations.
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## **Co-Curricular Activities**

- **Theatre Club Member:** Developed and honed public speaking and teamwork skills, resulting in improved group performance during theatre productions.
  - **Western/Folk Dance:** Winner of the **BangaBharti Pondicherry Under-18 Folk Dance Competition.**
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