

PRAVESH DUBEY

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SUMMARY

Final-year Information Science and Engineering student at Presidency University, Bangalore, experienced in developing software solutions, AI models, and IoT systems. Proficient in Java, Python, and Web Technologies, with projects ranging from AI-powered medical assistance and chatbots to deep learning disease detection and automation systems. Proven problem-solving skills through hackathons and innovative projects, and open to working with diverse technologies to deliver real-world solutions.

SKILLS

Programming Languages: Java, Python, JavaScript

Web Technologies: HTML, CSS, Flask

Databases: MySQL, MongoDB

Data Structures: Arrays, Linked Lists, Stacks, Queues, Trees, Graphs

EDUCATION

Bachelor of Technology in Information Science and Engineering Expected 2026 | **CGPA: 9.13**
Presidency University, Bangalore

PROJECTS

Medical Assistance Website - HackJMI | Demo

- Developed a healthcare web application enabling prescription-based medical advice, consultation booking, and patient-doctor data management.
- Implemented OCR using Python Tesseract to extract text from prescriptions and integrated an AI model to analyze data and suggest precautions.
- Enabled online and offline appointment scheduling with role-specific dashboards for patients and doctors.

Complete Baklavchi Website | Live

- Built a fully responsive e-commerce website for a confectionery store using HTML, CSS, JavaScript, and MySQL.
- Integrated database for dynamic product management and order processing.
- Implemented interactive product gallery with animations, filtering, and optimized performance.

Lung Disease Detection System | Demo

- Designed a deep learning CNN model to detect lung diseases from X-ray images.
- Achieved high accuracy by training on diverse datasets and fine-tuning hyperparameters.
- Developed an intuitive UI for healthcare professionals to upload images and receive instant diagnosis results.

Image Generation for Marketing – Emerging Tech Hackathon | Demo

- Created an AI-based image generation model for high-quality marketing visuals.
- Implemented prompt-based generation to suit various promotional themes and audiences.
- Integrated the solution with a web interface for user interaction.

Chatbot for Mining Queries | Live

- Developed an NLP-based chatbot that answers mining-related queries.
- Trained on domain-specific datasets for accurate responses.
- Enhanced conversational flow to improve engagement.

CERTIFICATIONS

Java – HackerRank

Web Technology – Udemy

AI Fundamentals – Infosys

DSA using Java – CodeChef

PHP For Beginners – Great Learning

DECLARATION

I hereby declare that the above information is true to the best of my knowledge.