

ISHAN PATIL

UNDER GRADUATE



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PROFILE

Motivated and quick-learning developer with a strong foundation in Python, Java, C, MySQL, and MongoDB, currently working on web development projects using JavaScript and React. Good at problem-solving, writing clean code, and learning new technologies efficiently. Interested in gaining hands-on experience through internships where I can contribute to real projects, learn from experienced developers, and continue improving my technical and teamwork skills.

PROJECTS

Real-Time Disaster Alert & Relief Coordination Platform (Hackathon)

- Built a scalable real-time disaster management system with alerting and AI-based damage assessment using React, Node.js, MySQL, MongoDB, and REST APIs.

Web Scraper for Active Domains & Email Extraction

- Developed a scalable web scraping tool to search websites by keyword and country, validate active domains, and extract emails using Python, BeautifulSoup, Requests, Regex, and concurrency, with results stored in CSV.

Pneumonia Detection using Chest X-ray Image Analysis

- Built an end-to-end pneumonia detection system for chest X-ray analysis using Python, Flask, OpenCV, SSIM, MSE, CNNs, achieving ~94% training accuracy.
- Integrated Google Gemini API to generate AI-driven medical insights and interpretable diagnostic reports.

Agri-Sense: AI for Agriculture

- Built AgriSense, an AI-driven agriculture platform for crop recommendation, disease detection, and advisory chatbots using Python, Flask, ML models, Google Gemini (GenAI), HTML, Tailwind CSS, and JavaScript.

OCR & Document Text Analyzer

- Built a Python-based document analysis tool with OCR using Tesseract, OpenCV, and preprocessing techniques for text extraction, batch processing, and statistical analysis across PDFs, images, CSV, and TXT files.

CERTIFICATES

- Samsung Innovation Campus (SIC) Program certification in coding and programming from Samsung R&D Institute India – Bangalore
#SIC_SRIB_2024
- Cybersecurity Fundamentals — IBM SkillsBuild (IBM), focused on core security concepts, threats, vulnerabilities, and best practices.
- Introduction to Modern AI — Cisco Networking Academy: fundamentals of modern AI concepts, applications, and impacts.

EDUCATION

2023 - 2027

KLE INSTITUTE OF TECHNOLOGY, HUBLI

- Bachelor of Computer Science Engineering (Pursuing)
- GPA: 8.5

2025 - 2029

DELHI PUBLIC SCHOOL - INDIA

- Higher Secondary Education(12th Grade)
- Secondary Education(10th Grade)

SKILLS

- Programming:** Python, Java, C
- Web Development:** HTML, CSS, JavaScript, React, Tailwind CSS
- Databases:** MySQL, MongoDB
- Tools & Platforms:** Node.js, Git, Kali Linux, CMake, Make
- AI/ML & Data:** NumPy, Pandas, scikit-learn, OpenCV, TensorFlow (beginner), OCR (Tesseract), API integration

LANGUAGES

- English
- Kannada
- Hindi

EXPERIENCE

Hands-on experience building and delivering functional software prototypes under tight timelines, contributing across frontend development, backend API integration, and AI/ML component design. Worked on data-driven systems with a focus on scalability, usability, and efficient problem-solving in collaborative environments.

ADDITIONAL INFORMATION

- Interests: AI/ML, Cybersecurity, Quantitative Finance, API-driven Applications
- Strengths: Analytical mindset, rapid learning, problem-solving, teamwork, leadership
- Currently Learning: Machine Learning algorithms, data preprocessing, model deployment with Flask/FastAPI