

RITESH PANDIT

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Full Stack Developer (MERN + Python) | Generative AI Developer

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PROFILE SUMMARY

AI/ML and Full-Stack Developer (MERN + Python) with hands-on experience in building AI-driven platforms, computer vision applications, and scalable web solutions. Skilled in CNN, GAN, Transformers, and API integrations, with proven ability to deliver production-ready projects.

EDUCATION

University of Mumbai

Navi Mumbai, India

B.E. in Computer Science and Engineering, CGPA: 8.19

May 2025

SKILLS

- **Programming & Libraries:** Python, C++, OpenCV (computer vision), NumPy, Pandas, Matplotlib, Scikit-learn, Tensorflow, CNN, GAN, Web scraping
- **Web Development:** Flask, Streamlit, React.js, Node.js, Express.js, MongoDB
- **Tools & Platforms:** Git, GitHub, Postman, VS Code, MySQL, Kaggle, Huggingface, Render & Vercel deployment
- **Core Competencies:** Data Structures & Algorithms, AI/ML, OOP, OCR, Image Processing, API Integration, Pretrained Models (YOLOv5, Transformers, Diffusers, LLMs)

PROJECTS

Nirmiti: AI Software Generator with Real-Time Chat (MERN + Generative AI)

- Developed an AI-powered code generation platform that builds complete project structures with 85% prompt accuracy.
- Integrated real-time chat for communicating and AI assistance for debugging and project setup, boosting developer productivity.
- **Technologies:** React.js, Redux, Node.js, Express, MongoDB, WebSockets, AI Integration, JSON parsing

PageInsighter: Text Visualizer (OpenCV + GenAI)

- Built an OCR + AI system for text extraction, summarization, and contextual image generation with 80%+ accuracy.
- Enhanced platform with math problem-solving (text/image input), improving usability for students.
- **Technologies:** Streamlit, OpenCV, Python, OCR, GAN, Transformers, APIs

E-commerce Web application (MERN)

- Designed and deployed a full-stack e-commerce platform handling 100+ product listings with secure payment flow.
- Integrated Stripe API, Cloudinary, and Sendbird chat system for seamless transactions and user engagement.
- **Technologies:** HTML, CSS, JavaScript, React.js, Node.js, MongoDB, Sendbird API, Cloudinary, Stripe API, Postman

ACHIEVEMENTS

- **DSA Practice:** Solved 170+ problems on GeeksforGeeks and LeetCode.
- **Certification:** Completed Computer Vision in Python (Udemy) covering OpenCV, image processing

EXPERIENCE

Web Development Intern - InternPe *HTML, CSS, JavaScript, Node.js, React.js*

Mar 2023 - May 2023

- Built & deployed 2 full-stack apps with JWT auth, MongoDB CRUD, and REST APIs.
- Improved API test coverage by 40% using Postman; used Redux for dynamic data handling in agile sprints.