

RITESH PANDIT

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AI/ML & Python Developer | Computer Vision

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PROFILE SUMMARY

AI/ML and Python Developer with expertise in building data-driven applications, computer vision systems, and NLP solutions. Experienced in integrating AI into full-stack systems using MERN for scalable deployments. Adept at working with large datasets, training ML models, and deploying production-ready AI solutions on cloud platforms.

EDUCATION

University of Mumbai

Navi Mumbai, India

B.E. in Computer Science and Engineering (CGPA: 8.19)

May 2025

SKILLS

- **AI/ML & Data Science:** Python, TensorFlow, PyTorch, Scikit-learn, OpenCV, Pandas, NumPy, Matplotlib, Seaborn, CNN, GAN, Transformers, OCR, NLP, Data Preprocessing, Feature Engineering, Model Deployment
- **Development Frameworks:** Flask, Streamlit, React.js, Node.js, Express.js, MongoDB
- **Tools & Cloud:** Git, GitHub, Postman, MySQL, Hugging Face, Render, Vercel, Cloudinary
- **Core Competencies:** Machine Learning, Deep Learning, Data Analysis, Computer Vision, Image Processing, Predictive Modeling, API Integration, Prompt Engineering

PROJECTS

[Nirmiti – AI Software Generator with Real-Time Chat \(MERN + GenAI\)](#)

- Developed an AI-powered code generation platform capable of creating complete project structures with 85%+ prompt accuracy.
- Integrated WebSockets for real-time chat and AI-assisted debugging, improving developer productivity by 30%.
- **Tech:** React.js, Redux, Node.js, Express.js, MongoDB, WebSockets, Hugging Face APIs

[PageInsighter – OCR + AI Text Visualizer \(Python + OpenCV\)](#)

- Built an OCR + AI system for extracting, summarizing, and visually representing text with 80%+ accuracy.
- Added AI-based math problem solving from both image and text input, enhancing usability for students.
- **Tech:** Streamlit, Python, OpenCV, GAN, Transformers, APIs

[House Price Predictor App \(Python + ML\)](#)

- Implemented a regression-based machine learning model predicting house prices with **95% accuracy**.
- Performed feature engineering, handled missing values and optimized model performance with hyperparameter tuning.
- Deployed the model as a web application using Streamlit for real-time predictions.
- **Tech:** Python, Scikit-learn, Pandas, NumPy, Matplotlib, Streamlit

ACHIEVEMENTS

- Solved **170+ DSA problems** on [LeetCode](#) and [GeeksforGeeks](#).
- **Certification:** [Computer Vision with Python – Udemy](#)

EXPERIENCE

[Web Development Intern – InternPe](#)

Mar 2023 – May 2023

HTML, CSS, JavaScript, Node.js, React.js, MongoDB

- Developed and deployed 2 full-stack applications with JWT authentication, CRUD operations, and REST API integration.
- Improved API testing efficiency by 40% using Postman and implemented Redux for dynamic data handling.