

Deepak Yadav

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PROFESSIONAL SUMMARY

AI & ML Engineer and Full-Stack Developer holding a Master of Computer Applications (MCA). Proven ability to build production-ready systems, including computer vision models deployed on Hugging Face. Highly proficient in Python, PHP, Java, and deep learning frameworks, backed by a strong problem-solving record of 500+ solved coding challenges. Adaptable fast-learner driven to build impactful tech solutions.

TECHNICAL SKILLS

- **Languages:** Python, PHP, Java, SQL, C++, JavaScript
- **AI & ML:** Deep Learning, Machine Learning, NLP, Generative AI, Prompt Engineering, Computer Vision
- **Web & Frameworks:** Laravel, Flask, PHP MVC, REST APIs, HTML/CSS
- **Tools & Database:** MySQL, Jupyter Notebook, Hugging Face, VS Code, Git, GitHub

EXPERIENCE

Data Science with Gen AI Intern | Innovexis

Apr 2026 – Jul 2026 | Pune, Maharashtra (Remote)

- Designed and delivered 7 end-to-end Data Science and Generative AI projects across finance, e-commerce, and healthcare domains.
- Developed predictive models and AI-driven tools, including a Real Estate Investment Advisor and PhonePe transaction analysis system.
- Conducted advanced exploratory data analysis (EDA) and data visualization using Python to extract actionable business insights from complex datasets.

PROJECTS

Plant Leaf Disease Classifier | [Live Demo](#) | Python, PyTorch, Vision Transformers

- Trained and benchmarked 8 state-of-the-art deep learning architectures on the PlantVillage dataset to classify 38 plant disease categories.
- Built interactive demo dashboards using ipywidgets and Gradio, deployed live on Hugging Face Spaces.

Real Estate Investment Advisor | [Live Demo](#) | Python, XGBoost, Flask, Machine Learning

- Built a production-ready ML web application utilizing XGBoost trained on Indian housing data to predict property investment viability.
- Implemented 5-year price forecasting, ROI calculations, and visual growth charts to drive data-driven user decisions.

Neural Arena – AI Simulation Hub | [Live Demo](#) | Python, Flask, JavaScript, NLP

- Developed an interactive web platform hosting 35+ games powered by core AI algorithms including Minimax, A*, and Genetic Evolution.
- Designed a voice-controlled cyberpunk-themed UI combining NLP input processing with real-time gameplay feedback.

EDUCATION

Master of Computer Applications (MCA) | P P Savani University

Jun 2024 – Apr 2026 | Surat, Guj.

- **Grade:** A+ | **Key Coursework:** AI, NLP, RDBMS, Mobile Application Development

Bachelor of Computer Applications (BCA) | Saurashtra University

Jul 2021 – Apr 2024 | Rajkot, Guj.

- **Grade:** A | **Key Coursework:** Data Structures, Advanced Java, C++, PHP

CERTIFICATIONS & ACHIEVEMENTS

- Prompt Engineering Specialization – Vanderbilt University ([Jan 2026](#))
- Generative AI Engineering with LLMs – Coursera ([Jan 2026](#))
- Data Science Using Python – NPTEL ([Jul 2025](#))
- Young Industry Enthusiast (Banking) – Infosys ([Apr 2024](#))
- Accounting Fundamentals – TCS iON ([Apr 2024](#))
- Advanced Excel – Internshala Trainings ([Mar 2024](#))
- Participation Award – PycodeBeats, School of Engineering, P P Savani University ([Sep 2024](#)).
- Solved 500+ coding problems across PHP, Python, and Java in academic and personal projects.