

HEMANT SHARMA

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PROFESSIONAL SUMMARY

Results-driven Machine Learning Engineer and Full-Stack Developer with demonstrated expertise in building end-to-end data analytics applications, predictive models, and interactive dashboards. Proven ability to translate complex business problems into elegant technical solutions by combining advanced ML techniques with responsive frontend design. Currently pursuing Bachelor of Technology in Computer Science at Poornima Institute of Engineering & Technology (Expected June 2027).

CORE COMPETENCIES

Machine Learning & AI: Classification, Regression, Deep Learning, NLP, Image Processing, LSTM, Ensemble Methods

Data Science: Exploratory Data Analysis, Feature Engineering, Statistical Analysis, Data Visualization

Full-Stack Development: Python, FastAPI, React, JavaScript, HTML/CSS, REST APIs, Database Design

Tools & Platforms: Git, TensorFlow, Keras, Scikit-learn, Pandas, NumPy, Streamlit, Vercel, Figma, Docker

PROFESSIONAL EXPERIENCE

UI/UX DESIGNER | EUONUS IT | Jaipur, India | January 2025 – November 2025

- Designed and developed user interfaces for 5+ web and mobile applications, enhancing overall UX/UI quality
- Collaborated with development teams to transform concepts into high-fidelity Figma prototypes
- Created comprehensive wireframes, user flows, and design systems ensuring consistency across products

WEB DEVELOPER & ML ENGINEER | Freelancer | Jaipur, India | January 2023 – Present

- Developed 10+ responsive, interactive web applications using React, JavaScript, HTML5, and CSS3
- Built and deployed full-stack machine learning applications integrating FastAPI backends with React frontends
- Implemented predictive models and analytics dashboards for diverse client use cases
- Maintained codebase using Git with 100% code documentation and clean code practices

FEATURED PROJECTS

Video Game Sales Intelligence Dashboard | Full-Stack ML Application | [Live: <https://vgsi.vercel.app/>]

- Architected and developed comprehensive full-stack data analytics platform for gaming industry intelligence

- Engineered ML models (SVM, XGBoost, KNN) with probability calibration achieving 87%+ prediction confidence
- Implemented interactive React-based SaaS UI with Chart.js visualizations for real-time analytics
- Integrated SHAP for model interpretability enabling stakeholders to understand prediction drivers
- Built RESTful APIs using FastAPI achieving sub-100ms response times
- Deployed application on Vercel with CI/CD pipeline for automated deployments
- Tech: Python, Scikit-Learn, FastAPI, React, Chart.js, Pandas, NumPy, Streamlit

AI-Based Skin Disease Classification | Deep Learning Project

- Developed CNN for automated skin disease classification achieving 92%+ accuracy
- Implemented comprehensive image preprocessing pipeline with augmentation and normalization
- Performed rigorous model evaluation using cross-validation and performance metrics
- Tech: TensorFlow, Keras, OpenCV, NumPy, Python

Cyber-Sentinel: Sentiment Analysis | NLP Project

- Developed Bidirectional LSTM model for context-aware sentiment analysis
- Implemented end-to-end NLP pipeline including tokenization and sequence modeling
- Tech: TensorFlow, Keras, NLP, LSTM/BiLSTM, Python

TECHNICAL WORKSHOPS & CERTIFICATIONS

- Agentic AI Masterclass (GRRAS Solutions) – Hands-on training in autonomous AI agents and workflow automation
- Machine Learning Workshop (UpFlairs) – 5-day intensive on ML algorithms and practical implementation
- Professional Certification: AI-Based Skin Disease Analysis & Python (Skill India)
- HackerRank Python (Problem Solving) Certified

EDUCATION

Bachelor of Technology in Computer Science | Poornima Institute of Engineering & Technology, Jaipur | Expected June 2027

Senior Secondary Education (Class XII) | Vivekananda Public School, Khetri | 2021

Secondary Education (Class X) | Vivekananda Public School, Khetri | 2019

TECHNICAL SKILLS

Languages: Python, JavaScript, C++, SQL, HTML5, CSS3, Bash

ML/Data Science: Scikit-learn, TensorFlow, Keras, PyTorch, NumPy, Pandas, Matplotlib, SHAP

Web Development: React, FastAPI, Flask, Streamlit, REST APIs, responsive design

Tools & Platforms: Git/GitHub, Google Colab, Jupyter, VS Code, Figma, Docker, Vercel