

Gaurav Wankhede

Data Scientist / Data Analyst / Machine Learning Enthusiast

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Professional Profile

Data Science and Machine Learning Engineer with **2+ years of experience** in data analysis, predictive modeling, and web development. Possesses a robust foundation in Information Technology, with expertise in **Python, SQL, Power BI, and machine learning frameworks (TensorFlow, Keras, Streamlit)**. Skilled at leveraging data to drive actionable insights and solve real-world problems. Enthusiastic about embracing emerging technologies and contributing to innovative projects.

Technical Skills

- Programming Languages: Python, SQL, HTML, CSS, C++, Java
- Data Analysis Tools: Power BI, Microsoft Excel, Pandas, Regression Analysis
- Machine Learning Techniques: CNN, RNN, ANN, NLP, Decision Trees
- Database Management: MySQL, MongoDB, Microsoft SQL Server
- Web Development: WordPress, Next.js, Tailwind CSS, FastAPI

Work Experience

Web Developer (Freelance)

Iron Will International | Mar'24 to Jun'24 & Mar'22 to Oct'22

- Designed and developed interactive websites using WordPress, Elementor, HTML, and CSS, enhancing user experience and accessibility.
- Implemented robust backend solutions with purchased plugins to optimize functionality based on client requirements.
- Proactively resolved critical issues, such as a complete website crash, by leveraging backup recovery processes, ensuring uninterrupted service.
- Delivered six custom-built websites, contributing to a 30% improvement in user engagement through aesthetic design and optimized performance.
- Built and launched e-commerce, listing, and interactive websites tailored to client specifications across diverse industries, including non-profits and local businesses.
- Ensured client satisfaction with a 95% approval rating by delivering tailored solutions on time and within budget.
- Integrated secure hosting solutions and advanced plugins for seamless functionality and scalability.

Key Projects:

- **Pawz Rescue:** Designed a pet listing platform to connect adopters with rescue shelters.
- **Jacobs Ladder Marketing:** Created a local business listing platform to enhance visibility for small businesses.
- **Recycled Idols:** Developed a resale marketplace akin to OLX, fostering sustainability through secondhand sales.
- **White Diamond Rain:** Engineered a live chat platform enabling interactive prayer sessions.

Key Projects

IPL Match Prediction and Analysis

- Developed a GUI with Streamlit and analyzed data using Python (Pandas, Selenium).
- Improved match prediction accuracy by 25%, leveraging SQLite for storage and statistical models.
- [GitHub Repository](#)

Accident Detection System with Twilio

- Designed a system using ResNet-50 to detect accidents with 97% training accuracy.
- Integrated Twilio API to send real-time alerts, reducing emergency response time.

Weather Data Analysis

- Created a Power BI dashboard using MySQL and Excel to analyze weather patterns.
- Enhanced decision-making efficiency by 30%.
- [Deployed Dashboard](#)

Face Mask Detection

- Achieved 98% accuracy using MobileNetV2, OpenCV, and TensorFlow.
- Enhanced algorithm precision by 15% through fine-tuning.

Soft Skills

- **Analytical mindset** for extracting actionable insights from complex datasets.
- **Strong problem-solving abilities**, evident in resolving technical issues and optimizing machine learning models.
- **Effective collaboration and teamwork** in academic, freelance, and client-based projects.
- **Adaptability** to learn and implement new technologies like Streamlit, Next.js, and Power BI quickly.
- **Precision and attention to detail** in data visualization, dashboard creation, and predictive modeling.
- **Time management skills** to juggle multiple projects, meeting deadlines with high-quality outputs.
- **Proactive and innovative approach** to integrating emerging technologies in data science and web development.

Education

Atharva College of Engineering, Mumbai, India

Bachelor of Engineering in Information Technology

CGPA: 7.93 | Aug 2019 – Jul 2023

Certificates

- Google Analytics (Google, 2022)
- Data Analytics with Excel, Power BI, and Statistics (AccioJobs, Ongoing)
- Google Cloud Professional Machine Learning Engineer Cert Prep: 1 Framing ML Problems (LinkedIn)
- Data Science and Analytics Career Paths and Certifications.
- [More certifications](#)