

RISHIKESH SONAWANE

AI Engineer | Dombivli, Maharashtra | 8169225134 | rishikeshsonawane530@gmail.com

LinkedIn: <https://www.linkedin.com/in/rishikesh-sonawane-94022b373/>

Professional Summary

Innovative AI Engineer with a strong foundation in Data Science and Machine Learning. Specializing in leveraging AI automation and Large Language Models (LLMs) to build intelligent systems that drive business growth and operational efficiency. Eager to apply cutting-edge AI solutions to solve complex challenges and deliver tangible results.

Professional Experience

Data Science Intern | Labmentix | Mumbai, Maharashtra (Remote)

June 2025 – Present

- Developed and implemented machine learning models to analyze complex datasets, improving predictive accuracy on key business metrics.
- Performed data cleaning, preprocessing, and exploratory data analysis on large-scale datasets to identify actionable insights and trends.
- Collaborated with senior data scientists to design and deploy data-driven solutions, contributing to projects aimed at enhancing customer personalization.
- Created compelling data visualizations and dashboards to effectively communicate findings to both technical and non-technical stakeholders.

Software Engineer Intern | Sapphire Infocom Pvt LTD | Mumbai, Maharashtra (Remote)

January 2025 – May 2025

- Contributed to the full software development lifecycle (SDLC) for client-facing web applications, from initial design to deployment.
- Wrote, tested, and maintained clean code for new features, which enhanced application functionality and user experience.
- Collaborated with a remote team to debug software issues and implement effective solutions, reducing reported bugs in assigned modules.
- Utilized version control systems like Git to manage codebases and contribute to team projects in an agile environment.

Projects

Brain Tumor Classification | *Python, Data Processing, EDA, Machine Learning, TensorFlow, Scikit-learn*

- Engineered an AI-powered system to classify brain tumors from MRI scans into four categories, achieving 93% accuracy with an optimized EfficientNetB0 model.
- Addressed significant class imbalance using SMOTE and validated model predictions with explainability techniques (Grad-CAM, SHAP) to ensure clinical interpretability.
- Designed a solution projected to accelerate diagnostic time by 20% and reduce

radiologist workload, demonstrating clear business and clinical impact.

AI Voice Assistant | *n8n, Eleven Labs API, AI Automation*

- Designed and built a conversational AI voice assistant using the n8n workflow automation platform to orchestrate complex tasks and API calls.
- Integrated the Eleven Labs API to provide real-time, human-like voice synthesis, creating a sophisticated and seamless user experience.

E-Guruji (Pandit Booking Platform) | *MERN Stack (React, Node.js, Express.js), Supabase*

- Developed a full-stack web application to digitize the process of booking religious and astrological services, creating an online marketplace for "Pandits".
- Implemented key features including a pandit booking system, automated "Muhurta" (auspicious time) calculation, and "Kundali" (horoscope) matching.
- Leveraged Supabase for backend services and built a dynamic, responsive user interface with React to ensure a seamless experience across all devices.

Education

Vasantdada Patil Pratishthan's College of Engineering and Visual Arts (VPPCOEVA) | Mumbai, Maharashtra

Bachelor of Engineering (BE), Artificial Intelligence And Data Science | Expected 2027

GPA: 8.5/10

- Honors: Ethical Hacking (Cyber Security)

R.V. Nerurkar College | Dombivli, Maharashtra

HSC (Science)

Percentage: 81%

Skills

Technical Skills

- **Programming Languages:** Python, SQL, JavaScript
- **Data Science & Machine Learning:** TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib
- **AI Specialties:** Large Language Models (LLMs), Generative AI, AI Automation
- **Web Development:** React.js, Node.js
- **Tools & Platforms:** Git, n8n, Zapier

Professional Skills

- Data Analysis
- Machine Learning
- Full-Stack Development
- Problem-Solving

- Team Collaboration

Spoken Languages

- **English:** Professional
- **Marathi:** Native