Chetan Sonawane

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OBJECTIVE

AI Developer skilled in Langchain, LangGraph, LLaMA, Ollama, Streamlit, and multi-agent systems for intelligent automation and enterprise-level AI solutions. Passionate about solving complex problems using machine learning, NLP, and data analysis.

EXPERIENCE

IGNITUS | Machine Learning Engineer Intern | Remote | March 2024 – August 2024 |
- Collaborated with the LMS team on data prep and implemented ML models, including a CNN-based Hand Gesture Recognition system, optimizing engagement and outcomes through personalized learning and model tuning.

IEEE SF STUDENT BRANCH | Secretary | Jan 2024 - Dec 2024 |
- Elected Secretary of the IEEE Student Branch, showcasing leadership in managing records, correspondence, and membership, while coordinating events and activities.

EDUCATION

Institute Name	Field of Study	Details and Location
Sandip Foundation	Computer Engineering (4th Year)	8.70 CGPA, 2021 – 2025	Nashik, Maharashtra
BHONSALA MILITARY COLLEGE	HSC	68.50%, April 2021	Nashik, Maharashtra
VIDYA PRABODHINI PRASHALA	SSC	77.40%, March 2019	Nashik, Maharashtra

PROJECTS

ADA – CSV INSIGHT GENERATOR
- Built a CSV analysis tool using Python, Langchain, LangGraph, LLaMA3 (via Ollama), RAG and Streamlit to generate .docx reports with insights, summaries, and charts.

INTELGENIE – AI RESEARCH ASSISTANT
- Developed a multi-agent research tool using Langchain, LangGraph, LLaMA3, RAG and Streamlit to analyze queries and PDFs, generating executive .docx reports with summaries and recommendations.

SOLAR ENERGY POTENTIAL MAPPING
- Final year group project, leading the machine learning component. Developed a web tool using satellite imagery and ML for land classification and solar irradiance estimation to assess solar energy potential.

CROSS-CAMERA PLAYER MAPPING SYSTEM
- Built a player re-identification system using YOLOv11 and ResNet50 for consistent IDs across feeds. Applied object detection and deep feature matching in sports analytics.

SKILLS

AIML	Databases and Cloud	Version Control	Languages	Data Structures
LLMs, TensorFlow, ADA	SQL, AWS	GitHub	Python, Prolog	Arrays, Strings
PyTorch, Langchain, RAG	Google Cloud,	Git	C++, LISP	Hashing, Sliding Window
OpenCV, AI Agents, NLP	Microsoft Azure	-	Elixir	Dynamic Programming, Bit Manipulation

CERTIFICATIONS AND ACHIEVEMENTS

CERTIFICATIONS
- Complete Python Pro Bootcamp Udemy
- Machine Learning and Data Science Bootcamp
- Cloud Essentials Certification from AWS
- Certificate of Data Analysis Using AI

ACHIEVEMENTS
- 1st Prize Winner in SIH Internals
- Coordinator of GDSC SITRC under AIML lead
- Participation in Sunhacks 36 hours hackathon in 2nd year in AIML domain