

JAGRUT PATIL

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Summary

Computer Engineering student with a strong foundation in software engineering, machine learning, and AI driven application development. Experienced in building scalable web applications, automation workflows, and intelligent systems using modern technologies. Demonstrates a proactive approach to learning, problem solving, and delivering practical solutions through hands-on projects and collaborative development.

Skills

AI & Agentic Systems: Generative AI, LangGraph, LangChain, Prompt Engineering, Retrieval Augmented Generation (RAG), LLM Integration, AI Agents, Workflow Automation.

Programming & Machine Learning: Python, SQL, Data Structures & Algorithms, NumPy, Pandas, Scikit-Learn, TensorFlow, Keras.

Backend Development: FastAPI, REST APIs, Webhooks, API Integration.

Cloud & AI Services: Microsoft Azure, Google Cloud Document AI, Gemini API.

Web Development: React.js, JavaScript, HTML, CSS.

Tools & Platforms: Git, GitHub, VS Code.

Databases: MySQL.

Projects

github.com/jagrut25

Watchtower –Autonomous Documentation Agent | *LangGraph, FastAPI, Gemini, GitHub APIs* Jan 2026 – Feb 2026

- Built an AI powered agent that automatically generates documentation updates from GitHub code changes.
- Designed a LangGraph workflow to analyze commit diffs, generate developer focused documentation, and create Pull Requests automatically.
- Integrated GitHub Webhooks, FastAPI, and Gemini models to enable real time documentation automation and streamline documentation maintenance.

Legalease AI – AI Legal Analyzer | *FastAPI, GCP, LangChain*

Aug 2025 – Oct 2025

- Built an AI-powered system to analyze legal documents with instant summarization and risk assessment.
- Integrated OCR and NLP using Google Cloud Document AI and LangChain for PDF and image processing.
- Developed interactive Q&A, translation, and text-to-speech features using FastAPI and Gemini models.

Little Lemon Restaurant Website | *JavaScript, React, HTML, CSS, API*

OCT 2024 – Jan 2025

- Developed a responsive restaurant website as part of the Meta Front-End Developer Certificate.
- Implemented interactive UI with React, state management, and API integration for dynamic features.
- Deployed on GitHub with a clean, mobile-friendly design following UI/UX best practices.

Internship Experience

github.com/jagrut25

Machine Learning Intern | *Python, TensorFlow, Keras, Computer Vision*

Apr 2025 – May 2025

- Developed a CNN-based computer vision model for automated forest fire detection using image classification techniques.
- Performed data preprocessing, augmentation, and model training on wildfire datasets to improve prediction accuracy and generalization.
- Built an end-to-end training, validation, and evaluation pipeline to support early wildfire monitoring and risk detection.

Awards & Certifications

- **Meta Front-End Developer Professional Certificate** – Meta: Acquired skills in modern JavaScript frameworks, tools, and real world front end projects.
- **AZ-900: Microsoft Azure Fundamentals** – Microsoft: Gained foundational knowledge of cloud concepts, Azure services, workloads, and governance.
- **GitHub Foundations Certificate** – GitHub: Learned GitHub workflows, repositories, branching, commits, pull requests, and collaboration features.

Education

B.E.Computer Engineering

Graduated: 2026

NBN Sinhgad School Of Engineering, Pune

CGPA: 8.28/ 10