

Bhargav M Waghela

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PROFESSIONAL SUMMARY

Developer and AI enthusiast with proven experience building full-stack applications, autonomous AI agent systems, and interactive 3D web experiences. Proficient in Python, JavaScript, C/C++, and cloud infrastructure. Hands-on with LLMs (Claude, OpenAI, Gemini) for real-world integrations. Strong analytical and debugging skills with the ability to evaluate AI-generated code for correctness, efficiency, and reasoning quality — directly aligned with AI training and code evaluation workflows.

PROJECTS

AI Project Assistant — *FastAPI, Python, PostgreSQL, Claude, OpenAI, Gemini, JavaScript*

- Developed an asynchronous full-stack AI application combining a secure, high-concurrency FastAPI backend with a responsive vanilla JavaScript frontend for complex data handling and real-time interactions.
- Built an autonomous background agent system utilizing multiple LLMs (Claude, OpenAI, Gemini) with PostgreSQL for persistent, queryable database memory — structuring conversational context into a searchable knowledge store.
- Designed and evaluated prompt chains for multi-model orchestration, iterating on reasoning quality and output coherence across LLM providers to optimise agent accuracy.

Solar System Explorer — *Next.js, React Three Fiber, Three.js, Tailwind CSS, Gemini API*

- Developed an immersive, interactive 3D solar system web application featuring high-fidelity planetary exploration and a realistic in-browser flight simulator.
- Integrated real-time AI-powered chatbots using the Gemini API to deliver contextual, accurate responses for celestial education — evaluating and refining AI outputs for factual correctness and conversational clarity.
- Applied performance optimisation techniques across Three.js rendering and API response handling to maintain smooth UX at scale.

Workflow Management System — *Node.js, Express.js, MongoDB, AWS S3 & IAM, bcrypt*

- Architected a full-stack secure workflow platform for employees and managers, applying bcrypt encryption, steganographic data concealment, and AWS IAM for fine-grained cloud access control.
- Debugged complex backend logic across authentication, file storage, and permission layers — identifying and resolving edge-case vulnerabilities through systematic code review and testing.

Personal Cloud Infrastructure — *Nextcloud, Docker, Linux*

- Deployed a containerised private cloud solution with authentication, encryption, and intuitive file-sharing interfaces on a self-managed Linux server.
- Diagnosed and resolved containerisation conflicts, server configuration errors, and network issues — demonstrating strong systems debugging and analytical problem-solving under real deployment conditions.

WORK EXPERIENCE

Digital Marketing Executive | *Digikraf*

Dec 2025 – April 2026

- Evaluated and iterated on outputs from multiple LLMs and AI platforms (Claude, ChatGPT, RunwayML), identifying logical gaps, inconsistencies, and areas for improvement in AI-generated content and code.
- Designed structured prompts for generative AI systems, applying feedback loops to improve output accuracy, coherence, and task-specific reasoning.

Founder's Office | *The Divine Digital*

Aug 2024 – Oct 2025

- Built and evaluated automated AI content pipelines — continuously reviewing outputs for quality, logical consistency, and alignment with task objectives across high-volume client campaigns.

SKILLS

Languages: Python, JavaScript (Node.js, React.js, Next.js), C, C++ **Databases:** PostgreSQL, MySQL, MongoDB

AI & LLMs: Claude, OpenAI, Gemini | Prompt Engineering, AI Output Evaluation, Agent Design, Reinforcement Feedback

Platforms: AWS (S3, IAM), Docker, Linux, Git, CI/CD Pipelines, FastAPI, REST APIs

EDUCATION

B.Tech – Cloud Technology & Information Security | *Ajeenkya DY Patil University, Pune*

May 2025

CERTIFICATIONS & LANGUAGES

AWS Fundamentals | CompTIA Linux+ | IT Fundamentals for Cyber Security | Network Security & Database Vulnerabilities | SQL for Data Science (Python) **Languages:** English, Hindi, Marathi, Gujarati, Japanese (JLPT N5)