Sanket Ugale

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PROFESSIONAL SUMMARY

Results-oriented Software Developer specializing in backend engineering and Generative AI with a proven track record of building scalable fintech and healthcare solutions. Expertise in optimizing system performance (reducing API latency by 95%) and architecting secure, production-ready applications using Python, Django, and Cloud infrastructure. Proficient in integrating Large Language Models (LLMs), RAG pipelines, and Agentic workflows. Recognized hackathon winner with a strong focus on delivering innovative, high-impact technology.

SKILLS

- **Languages**: Python, Golang, Java, JavaScript, TypeScript, SQL, Dart, HTML/CSS.
- **Frameworks**: Django, FastAPI, Flask, Spring Boot, Next.js, React, Flutter, Gin, Django REST Framework (DRF).
- **GenAI & LLMs**: LangChain, RAG (Retrieval-Augmented Generation), OpenAI API, Claude, HuggingFace, Vector Databases (Qdrant, Pinecone), Prompt Engineering, Agentic Workflows.
- **Infrastructure & DevOps**: AWS, Azure, Docker, Kubernetes, CI/CD, Nginx, Kafka, RabbitMQ, Redis, Celery.
- **Databases**: PostgreSQL, MongoDB, MySQL, Elasticsearch.

WORK EXPERIENCE

Software Developer, LenDenClub (InstaMoney)   Jun 2025 – Present

- Architecting scalable peer-to-peer lending solutions, developing robust backend services to ensure high availability and fault tolerance.
- Achieved a **95% reduction in API response time** and optimized complex SQL queries by **80%**, significantly enhancing platform throughput and user experience.
- Leading the maintenance of production systems, implementing new microservices, and ensuring seamless integration across the fintech ecosystem.

Software Developer, mSwasth Tech Private Limited (Dashmed)   Jul 2024 – Apr 2025

- Engineered critical integrations with the Ayushman Bharat Digital Mission (ABDM) ecosystem for a leading healthcare platform.
- Developed streamlined APIs enabling rapid implementation of ABDM-centric features, reducing code complexity and deployment time.
- Enhanced system efficiency for healthcare compliance features, ensuring secure data exchange and interoperability.

Backend Developer Intern, Altissadvance Tech Private Limited   Jun 2024 – Jul 2024

- Developed and optimized high-performance backend systems using Django, MySQL, Celery for asynchronous tasks, and Redis for caching.
- Integrated secure third-party APIs and implemented robust payment gateway solutions to handle transactional data.
- Improved system reliability through rigorous testing, effective troubleshooting, and code optimization.

Software Development Engineer Intern, GreenCurve Securities   Jan 2024 – Apr 2024

- Engineered backend systems to deliver dynamic, real-time financial content, driving user engagement.
- Implemented scalable data pipelines to ensure up-to-the-minute information delivery for traders and investors.
- Collaborated with cross-functional teams to optimize backend processes and reduce data latency.

Full Stack Developer Intern, Noble Intermediates Pvt Ltd   Sep 2021 – May 2022

- Built a comprehensive full-stack E-commerce platform utilizing HTML, CSS, JavaScript, and Bootstrap for the frontend, with PHP and MySQL handling the backend logic.
- Implemented secure user authentication, product catalog management, and order processing systems to ensure data integrity.

Python Developer Intern, A2TECH CONSULTANTS   Jul 2021 – Sep 2021

- Developed a desktop application for employee activity monitoring using Python Tkinter (GUI) and Firebase (Backend).
- Created real-time data synchronization features to track organizational productivity effectively.

PROJECTS

Aanya.ai: Human-like AI Agent with Emotional Intelligence

- Developed a highly advanced AI Agent using **Claude, Next.js, LangChain, and RAG**, capable of human-like conversation with emotional nuance.
- Engineered the system to minimize hallucinations and maintain context over long conversation turns, mimicking natural human interaction.
- Optimized response latency for real-time interaction, ensuring a seamless user experience comparable to voice/chat ops.

Obsedian.live: Security Framework for Developers and Organizations

- Designed a comprehensive security framework to test, monitor, and enhance software security across AI models, Mobile Apps, and

Backends.

- Integrated automated security assessments to detect vulnerabilities and mitigate risks in real-time.
- Innovative approach combining AI security best practices with custom defense mechanisms for enterprise LLM protection.

MindsCare.me: Empowering Mental Health

- Built a scalable backend using Django, DRF, Celery, Channels, PostgreSQL, and Redis for real-time mental health assessments.
- Leveraged ML and GenAI for early detection of mental health issues and personalized user support.
- Developed an intuitive cross-platform frontend using Flutter and Next.js to enhance accessibility.

DocuChat AI: Intelligent PDF Assistant

- Developed a Flask-based RAG chatbot allowing users to query PDF content using natural language.
- Implemented PDF text extraction, semantic chunking, and vector embeddings using **LangChain, Hugging Face, and Qdrant**.

SpendWise: Smart Financial Management Platform

- Built a GenAI-driven platform to analyze spending patterns and forecast expenses using machine learning.
- Developed secure, scalable architecture with Django, PostgreSQL, and Plaid API, ensuring GDPR/PCI DSS compliance.

Explore 20+ projects on my portfolio: www.sanketugale.tech/#projects

EDUCATION

Rajiv Gandhi Institute of Technology	Aug 2022 – May 2025
B.E. in Computer Engineering	
Vidyalankar Polytechnic	Aug 2019 – Jul 2022
Diploma in Computer Engineering	

ACHIEVEMENTS

- **1st Place** at ATMECS Global Gen AI Hackathon (Top 50 teams).
- **1st Place** at mIndicator & VJTI National Level Hackathon (100 selected teams).
- **2nd Place** at Recursion 5.0 National Level Hackathon (130 teams).
- **Finalist** at Superops.ai SuperHack 2025 (200+ teams) & SBI-Life CyberSecurity Hack-Ai-Thon 2025.
- **Finalist** at National Level Rajasthan Police Hackathon 1.0 (1600 teams).