

Anuj Patel

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PROFILE SUMMARY

- Anuj is a highly motivated university student with a strong interest in strategy consulting and proven experience in the corporate sector. As a Python Developer with over a year of experience, he has built scalable backend systems, RESTful APIs, and AI/ML pipelines using Flask, FastAPI, and MySQL. He has integrated OCR and LLMs into production services to automate data ingestion, collaborated with cross-functional teams, and delivered projects on time.

WORK EXPERIENCE

RinaySoft, Pune, India - Python Developer | Skills : Python, MySQL, Database, OCR, LLM June 2024 – June 2025

- Created and delivered **RESTful APIs** for seamless integration between frontend and backend services, enabling efficient data flow and automation.
- Collaborated and optimized **MySQL** database schemas and queries, reducing query execution time by **30%** and ensuring data integrity.
- Managed backend development, including data ingestion, processing, and storage with OCR and LLM-powered extraction pipelines.
- Lead the development team of 3 throughout the software development lifecycle using **Agile methodology** reducing backlogs by **10%**.
- Collaborated with internal **stakeholders** and participated in code reviews with cross-functional team members, demonstrating strong communication skills to build a secure and scalable platform.

Renuka Softec, Madhya Pradesh, India - Python Intern | Skills : Python, MySQL, Database April 2024 – May 2024

- Revitalized** a legacy press management system using Python, which reduced previous system errors by **20%**
- Engineered and Enhanced backend solutions** with **MySQL integration**, improving **database performance** and reducing query latency.
- Designed and Integrated automated data processing workflows, boosting system efficiency and reducing manual intervention by **40%**.

Confederation of Indian Industry, Advertising | Skills : Public Speaking, Team Coordination January 2023 – January 2023

- Led a team of 10+ at the G20 Summit, ensuring smooth communication between delegates and stakeholders.
- Coordinated a team for the G20 Summit, facilitating smooth interactions with international delegates and key stakeholders.

EDUCATION

University of Texas at Arlington, Arlington, Texas, U.S | Master's of Science in Computer Science 2025 - 2027

- Courses** : Software Development, Machine Learning, Cloud Computing, Data Structures

Prestige (PIEMR), RGPV, Indore, MP, India | Bachelor of Technology (Computer Science & Engineering) | GPA – 3.5 2021-2025

- Courses** : Object-oriented programming and design principles (OOPS), Database, Data Structures, Software Design Patterns.

KEY PROJECTS

AUTOMATED BILL EXTRACTION SYSTEM | Key Skills: OCR, Google Vision API, Streamlit, LangChain, LLMs, Python | [LINK](#)

- Planned and executed** a Streamlit-based application to automate expense bill processing, accurately extracting key details (date, amount, vendor) and reducing manual workload by **70%**.
- Integrated and Advanced** Google OCR API to improve text recognition accuracy by **30%**, ensuring faster, error-free data extraction from scanned documents.
- Leveraged **LLM-powered** entity recognition (via Hugging Face API) to categorize extracted data with **85% accuracy**

RAG MODEL | Key Skills: LangChain, ChromaDB, LLMs, OCR, Hugging Face, Groq API, Python | [LINK](#)

- Assembled** a Retrieval-Augmented Generation (RAG) system leveraging LangChain, Hugging Face, and ChromaDB, improving information retrieval speed by **40%** and boosting response accuracy by **25%**.
- Developed and Implemented RESTful APIs**, enabling seamless integration with frontend platforms and third-party applications, reducing integration time by **50%**.

ML CI/CD PIPELINE | CI/CD, GitHub Actions, Machine Learning, Model Deployment, Python | [LINK](#)

- Developed an end-to-end ML pipeline to train, evaluate, and compare Logistic Regression and Random Forest models, achieving **92%+ accuracy** on test data.
- Programmed** new features that improved model performance by **15%**, and applied robust 80/20 data splitting for reliable validation.

TECHNICAL SKILLS

- Programming Languages** : C, C++, **Python (expertise in backend & AI development)**
- Cloud Platforms & Deployment** : AWS (EC2, S3, Lambda), Google Cloud Platform, Docker, CI/CD with GitHub Actions
- Databases** : MySQL, complex SQL queries (Joins, Subqueries, CTEs), database administration.
- Software Methodology** : Agile methodology, Sprint Planning and Execution, Software Development Life cycle (SDLC).
- Web Development** : WinForms, WPF, React Native, HTML, CSS, JSON, Bootstrap, Selenium, WordPress, REST APIs.
- Algorithmic Techniques** : Data Structures, algorithm optimization, efficient coding practices

PUBLICATION

A Study on Potential of AI in Healthcare Sector

Feb 2024

- Metszet Journal** | Key Skills: Artificial Intelligence, Healthcare, Uses of AI in Healthcare
- Conducted in-depth analysis of various AI technologies and their impact on the healthcare industry.
- Publication Link: <https://metszetjournal.com/volume-9-issue-1/>