

# Ritik Verma

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Python Developer with 2+ years of experience building reliable, scalable systems and solving complex technical challenges. Skilled in developing efficient microservices, optimizing system performance, and automating workflows. Proficient in Agile methodologies and quick to adopt new technologies for delivering high-quality, impactful solutions.

## Experience

- **Vibenox Private Limited** Noida, India  
- **Software Engineer** July 2024 – may 2025
  - PDFing.ai – AI-Powered Document Parsing Platform {[\(pdfing.ai\)](#)}
  - Developed PDFing.ai in Python, building RESTful APIs with FastAPI to extract structured data from unstructured PDF documents.
  - Integrated LLM APIs (OpenAI) via LangChain in Python for intelligent, context-aware extraction of tables, forms, and key information.
  - Implemented MCP in Python to manage session state, user roles, and query history, improving AI interaction fidelity.
  - Built RAG pipelines using Python with OCR, NLP, and embeddings for intelligent document chunking and context injection.
  - Utilized ChromaDB in Python for vector storage and semantic search, enabling fast and accurate querying over large document sets.
  - Containerized services with Docker and automated CI/CD pipelines using GitHub Actions, all configured through Python-based workflows.
- **EasyBite – Restaurant API with DynamoDB Backend**
  - Developed a restaurant management API with DynamoDB for CRUD operations, menu handling, and order tracking.
  - Built RESTful endpoints using FastAPI with JWT authentication and role-based access.
  - Created an EasyBite client interface for users to explore menus, place orders, and view real-time updates.
- **Associate Software Engineer** Oct 2022 – June 2024
  - Developed OSINT REST APIs with advanced scraping techniques, headless browsers, and multi-session proxies to bypass rate limits.
  - Built scalable microservices with Docker for automation workflows and optimized performance.
  - Enhanced concurrent processing using asynchronous programming to handle high-volume scraping and API operations.

## Technical Skills

**Languages:** Python, SQL, NoSQL, HTML, CSS

**Frameworks:** FastAPI, Flask, Django, SQLAlchemy, Pydantic, Pandas, NumPy

**Tools:** Docker, Git, Postman, Copilot, Linux, Bash Scripting, Vm

**Cloud & Databases:** EC2, Google Cloud Engine, PostgreSQL, DynamoDB

**Additional:** Web Scraping, Jupyter Notebook, ETL

## Education

- **MCA** – Mathuradevi Institute of Technology & Management, Indore 2022–2024  
RGPV Bhopal CGPA: 7.7
- **PGDCA** – Makhanlal Chaturvedi University, Bhopal 2020–2022
- **B.Sc Mathematics** – Barkatullah University, Bhopal 2017–2020

## Certifications & Awards

- **Ideathon 2024 – 2nd Prize (30,000)**: Secured second place for presenting an AI-powered document intelligence system concept, laying the groundwork for *PDFing.ai* — showcasing smart parsing.