Rohit Kumar Gupta

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Profile Summary

Master's student in Artificial Intelligence at IU Berlin with 3+ years of software development experience across enterprise IT systems, data solutions, and client-facing projects. Proven expertise in developing scalable applications, optimizing IT processes, and implementing data-driven strategies that increased operational efficiency by 30% and reduced technical debt by 25%. Skilled in Python, machine learning pipelines, data processing, and backend development. Experienced in building intelligent systems, developing REST APIs, and optimizing data workflows. Seeking opportunities to apply AI, analytics, and software engineering skills to real-world projects.

Education

Master of Science in Artificial Intelligence
IU International University of Applied Sciences, Berlin, Germany
Oct 2025 – Present

Bachelor of Engineering in Computer Science
University of Mumbai, India
June 2018 – August 2022

Work Experience

Senior Software Developer
Ocean Cognizance Pvt. Ltd., Mumbai, India
Jan 2024 – Dec 2024

- Developed tailored software solutions for small and mid-sized clients using Python frameworks (Django, Flask).
- Designed RESTful APIs to integrate systems, improving data exchange and reducing processing time by 30%.
- Implemented optimized data pipelines using Pandas and NumPy, enhancing efficiency and decision-making.
- Introduced coding standards and documentation practices, reducing post-deployment defects by 25%.
- Collaborated with clients to define project scopes and deliver customized solutions under tight deadlines.

Software Developer

Sulzer Pumps India, Mumbai, India   Sept 2022 – Dec 2023

- Designed and implemented a calibrator application for control and monitoring modules.
- Built the complete UI using the MFC framework in C++.
- Led the project for 7 months and demonstrated the system in Ireland.
- Deployed applications using Microsoft Visual Studio Installer Projects.

Software Developer Intern

Qikkle Solutions Pvt. Ltd., Mumbai, India
June 2021 – Oct 2021

- Assisted in front-end development and improved UI accessibility.
- Tested and troubleshot new software features.
- Supported developers in resolving technical issues.

Personal Projects

Intelligent Document Classifier – Classifies PDFs and scanned images using OCR, TF-IDF/BERT embeddings, and SVM models. (Python, OCR, BERT, SVM, Pipeline)

Smart Resume Screener – Matches resumes with job descriptions using embeddings and FAISS similarity search with candidate ranking. (Python, FAISS, Embeddings, LLM)

Email Spam Filter – Detects spam and phishing emails using Naive Bayes, SVM, and BERT with hyperparameter tuning. (Python, NLP, Naive Bayes, BERT)

DataCore – Full-stack data management and analytics platform for data ingestion, transformation, and visualization. (Python, Flask, React, TypeScript)

Technical Skills

Programming: Python, C++, Java
Data Skills: ETL, Pandas, NumPy, Data Processing, Data Pipelines, Data Visualization
Frameworks & Tools: Django, Flask, Visual Studio, Git, System Architecture
Databases: MySQL, SQLite, Postgres
Soft Skills: Client Communication, Cross-functional Collaboration, Process Documentation
Web Technologies: HTML, CSS, PHP, JavaScript.
Other: Data Structures, Algorithms, Linux, MS Office (Excel, PowerPoint), IT Management, Client Requirements Analysis, Software Lifecycle, Process Optimization & Automation.

Languages

English – Full Professional Proficiency
German – Basic Knowledge (A1) (actively improving for professional/client settings)
Hindi – Native Proficiency
Marathi – Native Proficiency