

RISHIKESH GHARAT

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EDUCATION

- **Masters of Science, Computer Science**
New York University (2026)
- **Bachelor of Engineering, Computer Engineering**
University of Mumbai

SKILLS

- **Skills:** Full Stack, Cloud (AWS), Web Dev, Data Structures, AI/ML, System Design, Cybersecurity, Agile
- **Languages:** Python, Java, JavaScript, TypeScript, C, React, Next.js C++, HTML, CSS, PHP, MySQL
- **Tools & Databases:** PostgreSQL, Docker, MongoDB, Spring Boot, Scikit-learn, Postman, Node.js, RestAPI

EXPERIENCE

- **Software Engineering Intern | PHP, Node.js, React.js, PostgreSQL, Apache Spark** *April 2022 - Sept 2022*
National Informatics Centre, Government of India
 - Designed and developed a scalable User Management System, streamlining access control for seven departments, cutting manual workload by **40%**, and enhancing admin operations
 - Monitored **100+** audit and exception logs, identifying anomalies and reducing data inconsistencies by **30%**
 - Streamlined financial report adjustments using Python, slashing manual errors and processing time by **70%** while guaranteeing data accuracy across **5 district offices**
- **Data Analyst Intern | Python, Pandas, NumPy, Tableau** *Sept 2022 - Sept 2023*
National Informatics Centre, Government of India
 - Initially hosted on **AWS EC2**, later migrated to Meghraj (NIC's secure cloud platform) to comply with government security regulations and ensure data privacy
 - Developed high-performance **SQL** queries to extract, aggregate, and process large datasets, enabling real-time budget allocation calculations based on location codes
 - Automated uploading and processing of **50+** CSV files weekly, streamlining financial adjustments and reconciliation

PROJECTS

- **LocalPilotAI | TypeScript, Python, Pydantic, OLLAMA, FastAPI, UNIX** *Jan 2025 - Feb 2025*
 - Boosted developer productivity by **50%** by developing a fully offline AI code autocompletion tool integrated into VS Code via a custom extension
 - Maintained **100%** data privacy with a fully **offline** design, powered by qwen2.5-coder:7b **LLM** from Ollama, served locally to ensure low-latency (**sub 50 ms**) inference
- **Personality Prediction for CV Analysis | Python, Numpy, Pandas, NLP, Pytorch** *August 2022 - May 2023*
 - Architected a **ML** model to predict candidates' personalities through sentiment analysis using the Big 5 traits, achieving **93%** accuracy and boosting recruiters' role-matching capabilities
 - Leveraged NLP and OCEAN modeling to automate candidate shortlisting and provide role fit analysis, reducing recruiter decision time by **30%**
- **Student Recommendation | Python, Numpy, Pandas, PostgreSQL** *Jan 2022 - June 2022*
 - Utilized K means clustering algorithm to categorize students into performance-based groups, uncovering patterns in academics with a model accuracy of **92.6%**
 - Delivered personalized subject recommendations to **600+** students per semester, resulting in a **25%** improvement in overall academic performance across targeted focus areas in the next semester

PUBLICATIONS

Personality Prediction for CV Analysis - International Conference on Recent Trends on Multidisciplinary Research and Innovation (**ICRMIR – 2023**)