

Rupesh Dubey

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Academic Qualifications

- **Bachelor of Computer Applications** (Jun'22 - Jul'25)
Amity University

Experience

- **Full Stack Generative AI Engineering Intern** (Jul'25 - Ongoing)
Infitech Studio, Remote
 - Developed **Python backend APIs using FastAPI**, focusing on secure and scalable architecture.
 - Built **AI-integrated solutions**, connecting external models to enhance application intelligence.
 - Worked on **automation projects**, streamlining workflows and optimizing backend processes.
 - Created **AI-powered web apps** in *Next.js*, *Node.js*, using AI tools like *Replit*, *Claude*, and *Codex*.
 - Utilized **AI tools for debugging, refactoring, and optimization**, ensuring clean and maintainable code.

Key Projects

- **Accounting Automation Workflow** (Aug'25 - Ongoing)
Tech-Stack: *Python, n8n, Docker, Google Gemini API, GitHub & Google Drive APIs, Plotly, Pandas, Telegram Bot API, etc.*
 - Built a fully automated accounting system using **Python, n8n, and Docker** to extract, process, and categorize financial data from invoices and receipts.
 - Integrated **Google Gemini, Telegram, and Google Drive APIs** for intelligent document parsing, cloud storage, and automated payment notifications.
 - Leveraged **AI coding assistants** for debugging, refactoring, and workflow optimization throughout the development process.
- **Osm Download Manager- ODM** (Jun'25 - Ongoing)
Tech-Stack: *Python, yt-dlp, multi-threaded HTTP/HTTPS requests, Rich (for terminal UI), FFmpeg, etc.*
 - Developed a **cross-platform CLI download manager** in Python with **multi-threaded HTTP/HTTPS requests** for fast, reliable media downloads.
 - Implemented **real-time terminal progress tracking** using Rich and optimized video/audio handling via **yt-dlp and FFmpeg** integrations.
 - Utilized **AI development tools** to resolve complex bugs, improve performance, and refactor code for maintainability.
- **AutoML Suite** (Mar'25 - Jun'25)
Tech-Stack: *Python, Streamlit, scikit-learn, Pandas, NumPy, GridSearchCV, Plotly, SMOTE, etc.*
 - Created a **Streamlit-based AutoML platform** for model training, hyperparameter tuning, and performance visualization using **scikit-learn** and **Plotly**.
 - Used **AI-assisted tools** for debugging, feature refinement, and code optimization during pipeline development.
 - Utilized **AI development tools** to resolve complex bugs, improve performance, and refactor code for maintainability.

Positions of Responsibility

- **Microsoft Learn Student Ambassador** (Apr'23 - Oct'24)
 - Organized events and live demos to encourage practical skill-building.
 - Collaborated with Microsoft and peer ambassadors to deliver hands-on sessions and webinars, fostering a community of continuous learning and innovation.
 - Promoted Microsoft Learn, Azure, and GitHub tools through mentorship and live demos, helping peers gain practical skills and certifications aligned with industry standards.

Technical Skills

- **Languages:** Python, SQL, HTML, CSS, Java
- **Frameworks & Libraries:** FastAPI, Streamlit
- **AI & ML Tools:** OpenAI API, Gemini API, LangChain, GridSearchCV, scikit-learn, NumPy, Pandas, Plotly
- **Automation & Workflow Tools:** n8n, Docker, GitHub API, Telegram Bot API, Google Drive API
- **Others:** Git, RESTful APIs, CLI tools, OCR APIs (Google Vision, Mindee, Veryfi), Data Visualization, Prompt Engineering