

Rahul Rathore

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EDUCATION

Xavier Institute of Engineering

Mahim, Mumbai

Bachelor's of Engineering, Computer Engineering

WORK EXPERIENCE

IT & Operations engineer

April 2024 — Present

Final Destination Undertakers and Funeral Services

Thane, Maharashtra

- Automated repetitive data management tasks, improving efficiency and accuracy.
- Monitored IT systems, troubleshooted user issues, and ensured smooth internal operations.
- Managed local and cloud-based backups, enhancing data security and continuity.

Computer Science Teacher

Aug 2023 — April 2024

Friends Academy ICSE School

Mulund, Maharashtra

- Designed and delivered curriculum covering Python, databases, and web technologies.
- Conducted practical sessions linking theoretical concepts to real-world applications.
- Supported students in developing problem-solving and analytical skills through projects.

Web Developer - Intern

Aug 2021 — Sep 2021

Brain O Vision Solutions (India) Pvt. Ltd.

Remote

- Assisted in the design, development and deployment of a website
- Collaborated with the team on debugging and improving system functionality.
- Gained exposure to the full web development life-cycle and internal tools.

PROJECTS

Fake News Detection System

- Built a real-time web app with Flask for classifying news articles.
- Applied NLP and ML techniques (tokenization, count vectorization, classifiers) to improve detection accuracy.
- Designed UML/DFD diagrams and optimized preprocessing to reduce computation costs.

Music Recommendation System

- Developed a recommendation engine using User-to-User and Item-to-Item approaches.
- Implemented clustering techniques (Birch, KMeans, MiniBatchKMeans) to enhance recommendations.
- Analyzed and pre-processed large datasets, improving performance and accuracy.

SKILLS

- **Programming Languages:** Python, JavaScript, TypeScript (basic), HTML, CSS
- **Frameworks & Libraries:** Flask, React.js (basic), Scikit-learn, Pandas, NumPy, Matplotlib, Frappe (basic)
- **Databases and Tools:** SQLite, MySQL, Git, Jupyter Notebook, Pickle, CSV
- **Cloud & Automation:** Google Cloud Platform (Compute Engine, Cloud Storage, BigQuery), OpenAI APIs, GitHub Copilot
- **Other:** Data Analysis, IT Troubleshooting, Internal Tools Development, Curriculum Design