

# RAHUL JIGNESH GANATRA

Mulund, Mumbai, India | +919152251477 | [rahulganatra07@gmail.com](mailto:rahulganatra07@gmail.com) | [LinkedIn](#) | [Portfolio](#) | [GitHub](#) |

## EDUCATION

**K J SOMAIYA INSTITUTE OF TECHNOLOGY**

*Bachelor of Technology, Artificial Intelligence and Data Science (CGPA: 8.8)*

**Mumbai  
2026**

## WORK EXPERIENCE

### Software Engineer Associate

*BlackCoffer | July 2025 – July 2025*

- Executed large-scale web scraping for a client, acquiring over 1.4 million data rows.
- Engineered an automation script to seamlessly ingest scraped data into a **PostgreSQL** database, eliminating manual entry.
- Leveraged **Apache AGE Viewer** to visualize and analyze complex datasets for actionable insights.
- Streamlined and automated the entire data pipeline, transforming a manual process into an efficient workflow.

### App Development Intern

*Society for Data Science (S4DS), KJSIT Chapter | September 2023 – November 2023*

- Designed and deployed 3 mobile applications using **Flutter and Firebase**, reducing project delivery time by 25%.
- Integrated **REST APIs** for seamless data exchange between mobile apps and databases.
- Collaborated with a team of 5 developers to build scalable, user-friendly applications.
- Conducted usability testing, improving app performance by 15%.

## PROJECTS

### DATAQUERY AI: [Repository](#)

- Built a **Flask web app** for PDF processing, database queries, and CSV analysis.
- Integrated AI features for interactive data queries via chat.
- Enabled email analysis and report generation.
- Managed dependencies using **Python** libraries for enhanced functionality.

### VID-AI: [Repository](#)

- Built a platform with real-time video processing, emotion detection, and automated scene/subtitle generation.
- Added natural language prompts, emotion heatmaps, trend insights, and editable settings.
- Integrated **FFmpeg and Vosk API** for video analysis, audio normalization, and highlight generation.
- Used **PySceneDetect** for automated scene detection to streamline video editing.

### OLA-DASHBOARD: [Repository](#)

- Analysed OLA booking data using **Power BI, SQL, and Excel**.
- Explored trends in bookings, revenue, and cancellation breakdowns.
- Compared vehicle performance, distance metrics, and user ratings visually.
- Delivered actionable insights to support data-driven business strategies.

### INTELLEX : [Repository](#) [Video](#)

- Enabled interns to access project files, PPTs, and PDFs through an AI-powered knowledge hub.
- Integrated LLM to automatically generate structured documentation from project files.
- Implemented role-based access control for IT heads to securely manage intern permissions.
- Streamlined documentation workflows by automating the creation process using AI tools.

## SKILLS

- Programming Languages:** HTML, CSS, JavaScript, Python, Dart, React, Next JS
- Frameworks:** Flutter, Django, Flask, Matplotlib, OpenCV, Media Pipe
- Databases:** MySQL, Firebase, PostgreSQL, Neo4j, MongoDB
- Tools:** VS Code, Git, Kaggle, Docker, Power BI, Excel
- APIs:** REST, Google Maps API, ChatGPT API, Yahoo finance API

## CERTIFICATIONS

- Databases for Developers: Foundation – Oracle
- Data Analysis with Python – IBM
- Python for Data Science – IBM
- Data Analytics and Visualization Job Simulation – Accenture
- Supervised Machine Learning: Regression and Classification – Coursera

## EXTRACURRICULAR ACTIVITIES

**Secretary**, Society for Data Science (S4DS), KJSIT

- Organized Mumbai's first 36-hour offline hackathon with 200+ participants, increasing visibility by 30%.

**Organizing Head**, Student Council, KJSIT

- Led a team of 15 to organize the college's cultural and sports festivals, managing logistics and engaging 1,000+ attendees.

## ACHIEVEMENTS

- Received a *Letter of Appreciation* from the Head of Department for significant contributions to event organization.
- 2nd Runner-up, ALGOFORGE'25, IEEE, K J Somaiya Institute of Technology, Mumbai