

# Maqfira Sarwar

[maqfirasarwar2302@gmail.com](mailto:maqfirasarwar2302@gmail.com) | +91 6360656585 | <https://www.linkedin.com/in/maqfirasarwar>

## Professional Summary

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Results-driven Software Developer with 1+ year of experience in full-stack development, backend engineering, and training delivery. **Proficient in Python, Django, FastAPI, HTML5, CSS3, JavaScript, and MySQL.** Proven ability to **design, develop, and deliver effective technical solutions with measurable impact.**

## Education

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### Mysuru Royal Institute of Technology

*Bachelor of Engineering in Computer Science and Engineering – 2023 – 82%*

**St. Philomena's PU College** – 2019 – 74.2%

**St. Philomena's High School** – 2017 – 84.16%

## Skills

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- **Programming Languages:** Python
- **Frameworks & Tools:** Django, FastApi
- **Frontend technologies:** HTML5, CSS3, Bootstrap, JavaScript
- **Libraries:** Numpy, Pandas, Matplotlib, Seaborn, Plotly
- **Databases:** MySQL
- **Tools:** MS Office (Word, Excel, PowerPoint)
- **Soft Skills:** Team Collaboration, Problem-Solving, Quick Learning

## Professional Experience

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### Assistant Engineer – Stem Avishkar Pvt Ltd

*Dec 2024 – Present*

- Improved backend processing speed by 20% through optimized Python and Fast API code.
- Participated in sprint planning, code reviews, and successfully resolved 95% of reported bugs within deadlines.
- Actively learned and applied new frameworks and tools to enhance project delivery.

### Full Stack Developer Trainer – Encapsulation Infotech Pvt Ltd

*Nov 2023 – Oct 2024*

- Conducted training sessions on full-stack development (Python, Django, SQL, HTML, CSS, JavaScript).
- Mentored and trained over 40 students, 85% of whom successfully completed real-time projects.
- Designed and executed internship programs, enabling 85% of participants to complete hands-on, project-based learning successfully.

## Projects

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### Online Car Rental System

- Built an admin-based system to manage car rentals, customer details, bookings, and payment transactions efficiently.
- Integrated user authentication and provided secure access exclusively to administrators.

**Technologies Used:** HTML5, CSS, Bootstrap, SQL

### AI Assistant using Python

- Developed an AI assistant achieving 90% accuracy in user query responses.
- Integrated voice recognition with an average response time of less than 2 seconds

**Technologies Used:** Python

### HR Management System

- Created a system capable of managing employee records efficiently.
- Designed dashboards that reduced HR record retrieval time by 30%.

**Technologies Used:** Python, FastAPI, MySQL, HTML5, CSS, Bootstrap, JavaScript

### Hotel Booking Data Analysis

- Analyzed 40,000+ hotel booking records to identify patterns in cancellations, customer preferences, and seasonal trends.
- Performed data cleaning and preprocessing using Pandas and NumPy, ensuring 100% consistency in date/time and categorical fields.
- Built interactive visualizations with Matplotlib and Seaborn to uncover insights on booking cancellations, ADR (Average Daily Rate), and guest segmentation.

**Technologies Used:** Python, Pandas, NumPy, Matplotlib, Seaborn, MySQL

## Declaration

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I hereby declare that the information provided above is true to the best of my knowledge and belief.

*Maqfira Sarwar*

