

# Honey Mathur

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## SKILLS

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**Tech Stack:** Python(Django, Flask, Pandas, NumPy, Scikit-learn), C#( ASP.NET Core), RDMS(MySQL, SQLite, Entity Framework)

**Core Concepts:** REST APIs, MVC Architecture, Machine Learning, Data Visualization, Statistics, Automation.

**Tools & Platforms:** Git, Jupyter Notebook, Visual Studio, VS Code, Microsoft Office.

## PROFESSIONAL EXPERIENCE

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### Wipro Limited, Bengaluru

Dec 22 - March 25

*Associate Software Engineer*

- Developed backend solutions using Python, Django, Flask, and ASP.NET Core for workflow automation, system monitoring, and infotainment testing.
- Automated manual processes using Python scripting, Bash scripting, AI, and ML algorithms, achieving up to **40% reduction in manual effort**.
- Designed and maintained scripts to generate and validate CSV/Log files, enabling accurate bug detection and triaging.
- Built custom tools for process optimization, including workflow management systems, resulting in **30% efficiency improvement**.
- Contributed to database design and operations using Entity Framework with Dependency Injection for robust and scalable applications.
- Collaborated with cross-functional teams (5–15 members) to debug, test, and deploy end-to-end solutions for critical infrastructure and embedded systems.
- Delivered successful projects for **Ford Motors, INTEL, and HITACHI Energy**, meeting client-specific requirements and ensuring timely delivery.

## PROJECTS & EXTRACURRICULAR

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### Hospital Performance Analysis – Python, Pandas, NumPy, Matplotlib, Seaborn

- Analysed hospital distribution, emergency service availability, ratings, and patient satisfaction across the U.S.
- Identified key patterns and trends in hospital performance across states, types, and ownership.
- Provided actionable insights to improve healthcare delivery and patient outcomes.

### EduTrack Student Performance Analysis – Python, Pandas, Matplotlib, Seaborn

- Analysed student performance across subjects, gender, parental education, lunch type, and test preparation using statistical summaries and visualizations.
- Identified key trends: females outperform males in reading/writing; math shows highest variability; higher parental education and standard lunch correlate with better performance.
- Recommended targeted interventions, test prep strategies, and equity-focused academic programs to improve outcomes.

## EDUCATION

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### UD RTU, Kota

Aug 2018 – Jun 2022

*Bachelor of Technology, 8.45(Honors)*

*Electronics and Communication*

### Masai School, Bengaluru

March 2025 – Sep 2025

*Data Science Program*

*Python, SQL, Machine Learning, and Data Visualization*