



# MOHAMED NAZIK

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## PROFESSIONAL SUMMARY

Analytical Computer Science undergraduate focused on Data Science, Machine Learning, and Predictive Analytics. Experienced in Python, SQL, Pandas, NumPy, Scikit-Learn, TensorFlow, and Power BI for building end-to-end data pipelines, predictive models, and interactive dashboards. Completed high-impact projects, including a real estate price estimator (~84.5% accuracy) and a Power BI sales analytics dashboard identifying \$2.3M revenue opportunity. Actively seeking a Junior Data Scientist role to apply data-driven solutions and gain practical experience in real-world business problems.

## PROJECTS AND EXPERIENCE

### Executive Sales Analytics Dashboard | Power BI

APRIL 2025

- Developed an interactive sales performance dashboard with real-time slicers, KPI metrics, and category/sub-category analysis.
- Designed star-schema data model with custom DAX measures (ALLEXCEPT, KEEPFILTERS) for accurate cross-filtering.
- Impact: Identified \$2.3M revenue opportunity and reduced reporting time by 60%.
- Tools: Power BI, DAX, Power Query

### Bengaluru Property Estimator | ML Web App

DECEMBER 2025

- Built a predictive model for residential property prices with ~84.5% cross-validated accuracy.
- Conducted EDA on 13,000+ records, performed One-Hot Encoding, dimensionality reduction, and outlier handling.
- Implemented Flask REST API for real-time predictions on a user-friendly frontend.
- Model selection: Linear Regression, Lasso, Decision Tree using GridSearchCV & 5-Fold ShuffleSplit.
- Tools: Python (Pandas, NumPy, Scikit-learn), Flask, HTML/CSS

### COVID-19 Global Analytics Dashboard | Power BI

DECEMBER 2025

- Created a 5-page interactive dashboard analyzing global pandemic trends by continent, country, and US states.
- Built dynamic slicers, KPI cards, month-level trend analysis, and custom tooltip summaries.
- Tools: Power BI, DAX, Power Query, Worldometer & USA COVID datasets

### EDA-201 Rental Data Analysis | Python

JANUARY 2025

- Conducted Exploratory Data Analysis on rental dataset: missing values handling, outlier detection, and categorical conversion.
- Visualized price distributions, top cities, price vs. sqft, and price trends over time using line, bar, and scatter plots.
- Tools: Python (Pandas, Matplotlib, Seaborn)

### Additional Projects (In Progress / Supporting)

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|--|-------------|--------------|
| • FuelMate: Mobile fuel expense tracker (React Native + TypeScript)          | GitHub icon | PRESENT 2026 |
| • Hostel Maintenance System: Hostel operations management (Django + React)   | GitHub icon | PRESENT 2026 |
| • Agrilink Marketplace: Agricultural e-commerce platform (React, PHP, MySQL) | GitHub icon | OCTOBER 2025 |

## EDUCATION

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### BSc (Hons) in Computer Science & Technology

Uva Wellassa University of Sri Lanka | Oct 2023 – Present

Relevant Coursework (completed): Introduction to Computer Science, Database Management Systems, Structured & Object-Oriented Programming, Microcomputer Architecture, Statistical Methods I, Web Programming, Data Structures & Algorithms.

### Data Science Bootcamp (3 Months)

DSAcademy.lk | Jul 2024 – Nov 2024

Training in Python, SQL, Pandas, Exploratory Data Analysis (EDA), Regression Modeling, NLP basics, and Data Visualization.

Tools: Jupyter, NumPy, Matplotlib, Seaborn, Power BI.

## SKILLS

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- **Data Science & Machine Learning:** Regression, Classification, Random Forest, Naïve Bayes, Neural Networks, TensorFlow, Scikit-Learn
- **Analytics & Visualization:** Power BI (DAX, Power Query, Star Schema), Tableau, Exploratory Data Analysis (EDA), KPI Reporting
- **Programming & Databases:** Python (Pandas, NumPy, Matplotlib), SQL (MySQL), Jupyter, Anaconda
- **Tools:** Git/GitHub, VS Code, Google Colab

## CERTIFICATIONS

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### Advanced Learning Algorithms – DeepLearning.AI | Coursera | Jan 2026 [🔗](#)

- Skills gained: Neural Networks, TensorFlow, Decision Trees, Random Forest, Boosted Trees, Classification Algorithms, Logistic Regression, Model Evaluation, Deep Learning, Data Ethics

### Supervised Machine Learning: Regression & Classification – DeepLearning.AI | Coursera | Jan 2026 [🔗](#)

- Skills gained: Python, NumPy, scikit-learn, Regression Analysis, Logistic Regression, Classification Algorithms, Feature Engineering, Predictive Modeling, Data Preprocessing, Model Evaluation

### Supervised Machine Learning with Logistic Regression & Naïve Bayes – Online Course | Dec 2025 [🔗](#)

- Skills gained: Logistic Regression, Naïve Bayes, Scikit-learn

### Level Up: Python Data Acquisitions, Prep & EDA – LinkedIn Learning | Dec 2024 [🔗](#)

- Skills gained: Python programming, Data Acquisition, Exploratory Data Analysis (EDA)

### SQL for Beginners – Alison | Jul 2024 [🔗](#)

- Skills gained: SQL fundamentals, Database Design, Query Techniques

## LEADERSHIP & VOLUNTEERING

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### Project Chair – HacKMS'26 Hackathon | MS Club of Uva Wellassa University

- Led planning and execution of a 12-hour hackathon and internship pathway program with industry mentors.

### Chairperson – InnovateX YT Series | MS Club of Uva Wellassa University

- Organized monthly technical sessions and workshops with industry professionals.

### Student Coordinator – Data Science & AI Track | IMPETUS Research Symposium

- Managed participant communications and research submissions

## REFERENCES

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