

# Ramesh Kelavath

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🏠 Hertfordshire, UK

[in LinkedIn Profile](#)

## Personal Statement

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A motivated MSc Data Science student at the University of Hertfordshire with a solid foundation in Python, SQL, and cloud computing. Certified in Microsoft Azure AI Fundamentals (AI-900), with hands-on experience in machine learning, software development, and data-driven problem-solving. Passionate about building efficient data pipelines and working with structured and unstructured datasets. Eager to contribute technical skills and a strong learning mindset to impactful data engineering projects.

## Key Skills

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- **AI & Machine Learning:** Neural Networks, NLP, Deep Learning
- **Programming Languages:** Python (TensorFlow, PyTorch, Pandas, NumPy), Java, .NET
- **Software Development:** Data Structures & Algorithms, Object-Oriented Programming (OOP)
- **Databases & SQL:** MySQL, SQLite
- **Cloud Computing:** Microsoft Azure, Git
- **Soft Skills:** Problem Solving, Remote Collaboration, Analytical Thinking

## Education

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**MSc Data Science, [University of Hertfordshire](#)**

*(January 2024 – January 2026)*

**Notable Modules –** Fundamentals of Data Science, Data Handling & Visualisation, Data Mining, Applied Data Science 1, Applied Data Science 2, Machine Learning and Neural Networks, Data Science Project.

### **Academic Project**

**Comparative Study of Time Series and Deep Learning Models for Predicting NIFTY 50 Stocks.**

Investigated forecasting models using 20 years of historical stock data. Compared performance of ARIMA, ARIMAX (with Open price as exogenous input), and LSTM.

- Pre-processed and visualized financial time series data (2000–2020) from NIFTY 50.
- Evaluated models using MAE, MSE, RMSE; ARIMAX outperformed both ARIMA and LSTM.
- Technologies used: Python, Pandas, Statsmodels, Keras, TensorFlow, Matplotlib.
- GitHub: [Stock Price Prediction Project](#)

**Bachelor's Degree in Electronics and Communication Engineering, [NIT Agartala](#), Grade: 7.31/10**

*(June 2017 – May 2021)*

**Notable Modules –** Data Structures & Algorithms, Introduction to C Programming, Engineering Mathematics.

## Work Experience

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### Custom Software Engineering Associate, Accenture Solutions Pvt. Ltd.

*(September 2021 – July 2023)*

- Hands-on experience on Duck Creek Policy Author Manuscripts configuration, XSLT transforms, SQL Database queries and procedures, JavaScript.
- Developed level 3 forms using DCT and Microsoft Word.
- Completed stream training in .NET.
- Resolved system test and validation problems to provide normal program functioning and participated in design and planning exercises for future software rollouts.

## Volunteering

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### Sustainability Advocate, [Sustainability-at-UH](#)

*(March 2024 – Current)*

Led sustainability campaigns, promoted eco-practices, and enhanced campus-wide environmental stewardship at the University of Hertfordshire.

### Volunteer, [Unnat Bharat Abhiyan](#)

*(March 2018 – April 2018)*

Contributed to community development projects, focusing on the upliftment of rural communities through education and technology.

## Extra-Curricular Activities and Leadership

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- **Secretary of the Volleyball Team, [NIT Agartala](#)**  
Successfully organised and managed several volleyball tournaments, handling logistics, scheduling, and team coordination.
- **Participant, All India Inter-NIT Volleyball and Kho-Kho Tournaments**  
Competed in volleyball ([NIT Rourkela](#)) and Kho-Kho ([NIT Agartala](#)) at the national level, demonstrating teamwork, competitive spirit, resilience, agility, and strategic thinking.

## Additional Training and Certifications

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- Microsoft Certified: Azure AI Fundamentals (AI-900)
- **Machine Learning Specialization** – Andrew Ng (Coursera)
- **Core Java Training** – Central Tool Room & Training Centre (CTTC), Bhubaneswar  
Focus on object-oriented programming and application development.
- **Python Training** – Durga Software Solutions  
Covered fundamental and advanced Python programming concepts.
- **.NET Training** – Accenture.  
Proficient in .NET framework, ASP.NET, and enterprise application development.

## Languages

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- English(Fluent)
- Hindi(Fluent)
- Telugu(Fluent)