# Maneesha Sathsara

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LinkedIn Profile | Portfolio: maneeshasathsara.github.io

## Professional Summary

Highly motivated Undergraduate pursuing dual degrees in Physical Science (Statistics & CS) and Information Technology. Specialized in Machine Learning, Full Stack Development, and AI, with practical experience in predictive modeling and NLP. Validated by certifications from Microsoft and ISC2. Seeking to leverage statistical expertise and software engineering skills in a challenging engineering role.

## Technical Skills

**Languages:** Python, Java, C, JavaScript (ES6+), SQL

**Web Development:** React.js, Node.js, Express.js, HTML5, CSS3, REST APIs

**AI & Machine Learning:** TensorFlow, Scikit-learn, Pandas, NumPy, NLP, Prompt Engineering

**Tools & Platforms:** Git/GitHub, Microsoft Azure, VS Code, Adobe Creative Suite

**Cybersecurity:** ISC2 Candidate (Pursuing Certified in Cybersecurity)

## Professional Experience

### Machine Learning Intern
*May 2025 – Jun 2025*

**Indolike**
Remote

- Developed multivariate Linear Regression models to predict housing prices with high accuracy.
- Implemented K-means clustering algorithms for retail customer segmentation analysis.
- Engineered credit card fraud detection systems using advanced classification techniques.
- Maintained a dedicated GitHub repository for transparent code documentation and version control.

### Artificial Intelligence Intern
*Apr 2025 – May 2025*

**CodeAlpha**
Remote

- Designed a Language Translation Tool utilizing cloud APIs and custom UI frameworks.
- Built a conversational AI Chatbot for FAQs using NLTK and intent-matching algorithms.
- Developed a Credit Scoring Model using Random Forest classification to predict financial risk.

### Data Annotation Specialist
*2025*

**Thakral One (Trident)**
Colombo

- Managed dataset labeling for plastic classification to train environmental sustainability ML models.
- Handled legal documentation and production deadlines for high-volume data processing.

### School Leaver Trainee
*Feb 2024 – Apr 2024*

**Bank of Ceylon**
Bentota Branch

- Gained foundational experience in financial operations, banking hierarchies, and customer service.

## Education

## Bachelor of Physical Science (Computer Science & Statistics)

*Apr 2024 – May 2027*

**University of Kelaniya**

Focus: Computational Statistics, Algorithmic Foundations, Data Structures.

## Bachelor of Information Technology (BIT)

*Oct 2024 – Sep 2027*

**University of Colombo School of Computing (UCSC)**

Focus: Software Engineering, Database Management, Enterprise Application Development.

## Certifications

- Full Stack Development | DP Education (2026)
- Fundamental AI Concepts | Microsoft (2024)
- Career Essentials in Generative AI | Microsoft & LinkedIn Learning (2024)
- Introduction to Software Development | Microsoft (2024)

## Leadership & Projects

- Fundraising Coordinator, Leo Club, University of Kelaniya (Since Aug 2024).
- Executive Member, Statistics and Computer Science Students' Association (SCSSA).
- Personal Portfolio (Project): Integrated a custom AI chatbot and transaction history tracking module.