MIKAZ NAVODYA

AI/ML INTERN

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SUMMARY

Beyond just processing data, I want to build systems that actually understand it. As an Information Systems undergraduate , my academic focus has evolved into a deep fascination with the mechanics of Data Science and AI Automation. I am actively exploring Machine Learning Algorithms by implementing them from scratch and the intricacies of Natural Language Processing (NLP), eager to bring this theoretical curiosity to an AI/ML internship where I can tackle real-world problems.

TECHNICAL SKILLS

Programming Languages = Python, Java, C++	Cloud Computing = AWS/GCP
Python Libraries = Numpy, Pandas	ML Ops = Kubernetes, Docker, Jenkins
Deep Learning Libraries = TerserFlow, Pytorch	AI automation = n8n

PROFESSIONAL EXPERIENCE

Game Development Instructor, Mogo Media Academy **[Apr 2025 - May 2025]**
- Taught Unreal Engine Blueprint programming system to students at varying knowledge levels.
- Created hands-on projects to help students build playable games using Blueprint scripting.
- Encouraged problem-solving and creativity through game design challenges and collaborative projects.

EDUCATION

Bachelor of Computing in Information Systems - 3.62 GPA   **[2023 -2027]**
University of Sri Jayewardenapura

PERSONAL PROJECTS

Implemented ML algorithms from Scratch
- Objective:
  - Getting in-depth understanding on fundamentals and mathematical concepts of machine learning algorithms and getting hands-on practice to python programming.

- Features:
  - Implemented near 7 machine learning algorithms in supervised and unsupervised learning algorithms from scratch.
  - Tools & Technologies: NumPy, Pandas, Matplotlib, Jupyter Notebook.
  - Emphasizes implementing the mathematical foundations, optimization techniques, and evaluation metrics of each algorithm manually.

Implemented sentiment analysis from scratch
- Objective:
  - Understanding fundamentals of NLP concepts and application of logistic regression algorithm in real world scenario

- Features:
  - Tools & Technologies: NumPy, NLTK, Pandas, Jupyter Notebook.
  - Data Preprocessing Pipeline with Noise removal, tokenization, stemming, punctuation and stop word removal
  - Frequency-based feature extraction using vectorized frequency dictionary.
  - Implementation of sigmoid, cost function and gradient decent.
  - Model training and testing with 99.55% accuracy