# Kareem Mohamed

Deep learning Engineer

## CONTACT

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## SUMMARY

Motivated third-year Computer Science student at AAST South Valley, passionate about Machine Learning, Deep Learning, and software development. Strong foundation in machine learning models, neural networks, and software engineering practices. Committed to continuous learning and active contributor to technical communities like GDSC and ICPC.

## EDUCATION

**Arab Academy for Science, Technology, and Maritime Transport – South Valley | Oct 2022 – Present**

Bachelor of Computer Science

- GPA: 3.3
- President, The Innovation Society

## TECHNICAL SKILLS

Programming Languages:

- Python
- C++
- HTML
- CSS
- JAVA

Libraries & Tools

- Scikit-learn
- PyTorch
- TensorFlow
- Pandas
- Numpy
- Matplotlib
- Git / Github

ML/DL:

- Supervised Learning
- Deep Learning Architectures (CNNs, MLPs)
- Model Regularization (Ridge, Lasso, ElasticNet)
- Feature Engineering
- Transfer Learning

## PROJECTS

**Friend Recommendation System**

- A machine learning-powered application designed to suggest potential friends based on user profiles, interests, and social connections.
- This system combines advanced algorithms with a user-friendly graphical interface, allowing users to discover and connect with like-minded individuals.

Github Link

## EXPERIENCE

Team Core Member – AI Team | GDSC AAST South Valley | Oct 2024 – Present

- Led sessions on Machine Learning and Deep Learning fundamentals.
- Mentored students through hands-on projects and coding workshops.

Member – Web Development Team | GDSC AAST South Valley | Dec 2022 – Jun 2023

Member – ICPC Community | AAST South Valley | Nov 2022 – Mar 2023

- Practiced and improved competitive programming skills in C/C++.

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## CERTIFICATIONS & TRAININGS

- Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization| Grade: 100% | DeepLearning.AI | April 2025
- Structuring Machine Learning Projects | Grade: 100% | DeepLearning.AI | April 2025
- Neural Networks and Deep Learning | Grade: 98.41% | Coursera | November 2024
- Supervised Machine Learning: Regression and Classification | Grade: 100% | DeepLearning.AI, Coursera, Stanford CPD, UVM | September 2024

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## LANGUAGES

Arabic:

- Native

English:

- Intermediate (B2 Reading/Listening, B1 Speaking/Writing)

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## KEY ACHIEVEMENTS

- **Developed multiple machine learning-based applications as part of academic and personal projects..**
- **Actively mentoring and training peers on ML concepts within GDSC**