

# MOHAMMAD OWAIS

mohammadowais1857@gmail.com | github.com/owais1857 | linkedin.com/in/mohammadowais1857

**Portfolio:** [owais-dev-port.app](http://owais-dev-port.app)

## Summary

---

Data Science and AI enthusiast with experience in Machine Learning and Natural Language Processing. Proficient in building nlp pipelines and end-to-end model deployment, including personalized search systems and image classification.

## Technical Skills

---

**Languages:** Python, C++, Java, C,

**AI/ML & NLP:** Vector Embeddings, Semantic Search, CNNs, Data Processing,

**Frameworks & Libraries:** PyTorch, TensorFlow, Scikit-learn, Sentence-Transformers, FAISS, Pandas, NumPy

## Projects

---

- **Personalized Context-Aware Gaming Search Engine | *Python, Flask, React, FAISS***

- Developed a full-stack search engine providing role-based results for Gamers and Developers.
- Engineered dedicated web spiders for automated data collection from IGN, GameSpot, and WorkWithIndies.
- Implemented Selenium and Undetected-Chromedriver to bypass advanced anti-bot measures on dynamic websites.
- Utilized Sentence-Transformers to generate 384-dimension semantic vector embeddings for document processing.
- Built a high-speed retrieval index using FAISS (Facebook AI Similarity Search) with L2 distance metrics.
- Developed a personalization layer to re-rank search results based on user-defined industry roles.

- **Image Classification using CNN | *Python, TensorFlow***

- Developed a Convolutional Neural Network (CNN) for high-accuracy image classification tasks.
- Applied data augmentation techniques to enhance model generalization and overall performance.

## Education

---

- **Bachelor of Technology in Computer Science and Engineering**

• Relevant Coursework: Artificial Intelligence, Data Structures & Algorithms, Linear Algebra, DBMS.

## Professional Certifications & Qualifications

---

- Qualified GATE 2025 in Data Science & AI (DA).

- Cisco Certified Network Associate (CCNA).