

Hashem Shibli

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EDUCATION

American University of Beirut <i>Bachelor of Science in Computer Science</i>	Beirut, Lebanon <i>August 2019 – May 2023</i>
Lebanese American University <i>Masters of Science in Computer Science</i>	Beirut, Lebanon <i>August 2024 – Ongoing</i>

EXPERIENCE

R&D Engineer <i>Inkript, Resource Group</i>	November 2023 – August 2024
<ul style="list-style-type: none">Utilized YOLOv8 for AI-driven detection on a custom document dataset.Conducted data cleaning and preprocessing for Arabic alphanumerics, utilizing both Tesseract OCR and a custom CNN.Integrated hyper-parameter tuning for the detection model using Bayesian Optimization search.Leveraged Labellmg’s open-source codebase by adding visualization tools to analyze and present OCR & YoloV8 model results via a FastAPI service.	
Trainee Backend Developer <i>Inmobiles Holding</i>	October 2023
<ul style="list-style-type: none">Assisted in the design and implementation of a Backend service for a web application, leveraging C# and the .NET framework.Contributed to database design and optimization, focusing on PostgreSQL. Used custom SQL queries to enhance application responsiveness and throughput.Collaborated in an Agile environment, participating in weekly sprint planning and daily reviews to ensure timely delivery of project milestones.	

PROJECTS

Sweep — Github  <i>Elasticsearch, Figma, Flask, GitHub Actions, MongoDB Atlas, MVC</i>	September 2022 – Present
<ul style="list-style-type: none">Contributing to the development of a micro-service backend structure for an on-demand service platform.Transitioning multiple micro-services from Flask to Golang, implementing gRPC for more efficient and scalable API communication, while enhancing database performance and API functionality.Integrated Elasticsearch into the platform, significantly improving the user search experience by enabling faster and more accurate search results.	
Audiowave-gRPC-Hub — Github  <i>Elasticsearch, GoLang, gRPC, Docker, PostgreSQL</i>	February 2024 – Present
<ul style="list-style-type: none">Developed a Golang-based music data management system with a micro-services architecture, leveraging gRPC for efficient communication.Integrated Elasticsearch to enhance search functionality, improving user experience and search performance.Migrated to Neon’s cloud database, ensuring improved scalability and effective data management for music entities.	
Odysseus — Github  <i>Numpy, Pandas, scikit-learn, TensorFlow, Wide&Deep</i>	February 2023 – May 2023
<ul style="list-style-type: none">Implemented a Higgs Boson Classifier model, Odysseus, to differentiate between processes producing Higgs bosons and background processes with similar decay products but different kinematic features.Experimented with various models (Logistic Regression, LightGBM, XGboost, DNNs) and utilized the Wide&Deep model to get a 76.8 percent test accuracy; achieving the highest accuracy and winning the local ML competition	

TECHNICAL SKILLS

Languages	: GoLang, Java, Python, C#
Frameworks	: FastAPI, Flask, TensorFlow
Databases	: MongoDB, MySQL, PostgreSQL
Dev Tools	: Bash, Docker, Elasticsearch, gRPC, Git, Postman, Label Studio, PyTesseract, YOLOv8