Ahmad Dimashkie

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EDUCATION

AMERICAN UNIVERSITY OF BEIRUT (AUB) Beirut, Lebanon
Bachelor of Engineering, Computer and Communications Engineering *Aug 2021 – Expected Jun 2025*
GPA: 4.0/4.0, Dean's Honors List
- Minor in Business Administration

UNIVERSITY OF TORONTO Toronto, Canada
Exchange Student *Sep 2023 – Dec 2023*
- Completed key courses at the University of Toronto: Machine Learning, Algorithms, Programming Languages
- Engaged in collaborative projects, fostering a multidisciplinary approach to problem-solving

PROFESSIONAL EXPERIENCE

CME OFFSHORE Beirut, Lebanon
Full Stack Developer Intern *Jun 2024 – Jul 2024*
- Designed and implemented a user-friendly and responsive frontend interface using ReactJS, HTML, and CSS
- Developed the backend using Django, handling data processing, Rest API development, while handling errors gracefully
- Created the database with MongoDB for efficient storage, retrieval, and management of document data
- Integrated Firebase for secure user authentication and authorization, enhancing the overall security of the application
- Coordinated with team members to integrate NLP, GenAI, and web scraping features into the backend, including document parsing, a chatbot, web scraping analysis, and responsive word clouds

PROJECTS

UniFind | *AWS, React, Bootstrap, Flask* *May 2024 – Aug 2024*
- Collaborated with two Amazon mentors through the Amazon Industry Program to develop a website that gathers and displays information about universities in Lebanon, helping high school graduates find their ideal university easily
- Utilized AWS services, including AWS Amplify for hosting, AWS Lambda for backend functions, API Gateway for API management, AWS Bedrock for chatbot integration, and DynamoDB for the database throughout the whole project
- Developed our frontend using React and Bootstrap to provide an intuitive UI for university searches and information
- Designed our backend using Flask to handle data processing and ensured high performance and scalability

Multi-platform Exchange Tracker | *Python, Java, React, Flask, JavaScript, HTML, CSS, Kotlin, SQL* *Jan 2024 – Apr 2024*
- Designed the backend of a comprehensive exchange tracker platform, enabling currency management across platforms
- Implemented a secure user authentication system for sign-in functionality enabling users to add transactions
- Integrated a credit card system enabling users to add balance, facilitating money transfers between users
- Developed a time series forecasting RNN capable of predicting the exchange rate at a future date based on user input
- Handled user management system, including email notifications for password recovery, significant rate fluctuations, and transaction confirmations
- Generated statistical information on exchange rates and fluctuation graphs based on user-defined time periods

Deep Learning for Sentiment Analysis and Image Recognition | *Python* *Sep 2023 – Dec 2023*
1. Convolutional Neural Network Implementation:
   - Built a CNN from the ground up, showcasing adeptness in designing deep learning architectures
   - Executed comprehensive training and tuning strategies to optimize model performance to diverse datasets
   - Applied the trained CNN to a diverse dataset, underscoring versatility in handling varied data domains
2. Sentiment Analysis with IMDB Movie Reviews
   - Leveraged the dataset containing 50,000 movie reviews for sentiment analysis
   - Implemented a classifier proficient in determining the sentiment (positive or negative) expressed in movie reviews
   - Employed natural language processing techniques to process, analyze data and extract meaningful features

EXTRA CURRICULARS

ASSOCIATION FOR COMPUTING MACHINERY (ACM) Beirut, Lebanon
Active Member *Jan 2022 – Present*
- Developed dense knowledge about different data structures, algorithms, and mathematical problems
- Engaged in weekly programming sessions and conferences, meeting fellow programmers to build a broad network

UNICEF CLUB AUB Beirut, Lebanon
Active Member *Sep 2022 – Present*
- Participated in various initiatives and events aimed at promoting children's rights and well-being
- Collaborated with members to plan and execute trips, volunteered at schools and organizations

SKILLS & PERSONAL

Languages: Arabic (Native), English (Fluent), French (Fluent)
Computer Skills: Microsoft Office (PowerPoint, Excel, Word), Python, C++, Java, React, Flask, HTML, CSS, Kotlin, JavaScript
Interests: Basketball, Swimming, Squash, Ping-Pong, Travelling, Board Games