

Ahmad Chaabane

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EDUCATION

Stevens Institute of Technology, School of Systems and Enterprises (SSE)

Hoboken

Bachelor of Engineering (BS) in Software Engineering | GPA: 3.43

May 2025

SKILLS

Operating Systems	Microsoft Windows
Software / Tools	Spyder, Eclipse IDE, Visual Studio Code, MATLAB, Arduino, Excel, SolidWorks, SQL, Power BI, Power Query Editor, Power Point, OpenAI
Languages	HTML/CSS, JavaScript, Java, C++, Python, MATLAB
Bilingual	English/Arabic

ACADEMIC COURSEWORK

SSW 215: Individual Software Engineering

September 2022

- Mastered disciplined software engineering practices, including estimated completion timeframe and unit testing, while applying best practices and simple design patterns in small team projects to construct a basic web service using Ruby, Rails, and MySQL.

SSW 315: Object-Oriented Software Engineering

January 2023

- Developed Java programs employing basic data structures and honed skills in time and space analyses of computing problems.

SSW 555: Agile Methods for Software Development

September 2023

- Explored agile software development practices, including Extreme Programming, Scrum, Lean, Crystal, Dynamic Systems Development Method, and Feature-Driven Development, to recognize high-quality software and contrast methodologies, while acquiring insights into agile principles and techniques for the entire development process.

ISE 490: Data-Mining and Applied Machine Learning

January 2024

- Emphasized the application of proven methodologies in recognizing patterns, making predictions, and supporting decision-making processes based on data. Covered topics included data and text mining, applied machine learning, and network construction. Real-world examples and scenarios were utilized to illustrate concepts, providing practical insights into developing applications for various domains.

PROJECTS

Digital Memory Book Application

09/2023-12/2023

- Collaborated in a 7-member team to develop a collaborative platform for a Digital Memory Book, utilizing a React app, Docker, JavaScript, HTML, and CSS.
- Implemented both back-end and front-end functionalities, ensuring secure user authentication, seamless file uploads, and real-time updates, resulting in a user-friendly experience for family members contributing to the group album.

Machine Learning Analysis of NBA Player Injury Risk Factors

01/2024-04/2024

- Investigated correlations between NBA player attributes and injury occurrences to predict potential injury risks.
- Conducted data mining and machine learning experiments on NBA player statistics and injury records. Developed and compared machine learning models to identify predictors of injuries. Presented findings in a detailed technical report.

Assistant API Development

01/2024-04/2024

- Developed an AI-powered personal fitness trainer using OpenAI's platform and Python programming, assisting users with personalized workout routines and goals.
- Created an API for searching and summarizing news articles based on user inputs, utilizing Python programming and function points methodology.

PROFESSIONAL WORK EXPERIENCE

EarlyConnect365

Software Engineer | AI/Machine Learning Engineering intern

01/2024-Present

- Developed AI solutions for in-depth data analysis and to boost user engagement on the platform.
- Used Python for integrating AI algorithms into existing systems, ensuring smooth operation.
- Gained hands-on experience in crafting AI solutions tailored for educational use, refining skills in software engineering and machine learning.
- Mastered agile methodologies for project management, enhancing collaboration and adaptability.
- Discovered AI's potential in enhancing educational outcomes and user experiences on digital learning platforms.