

Mohamed Amine Bacha

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EDUCATION

South Mediterranean University - MedTech | Lac, Tunisia

September 2024 – June 2028

Pre-Engineering Program (Year 2):

Full Excellence Scholarship Awardee.

Key Modules: Data Structure, Digital Systems, Programing (C), Java.

Manouba School of Engineering | Manouba, Tunisia

September 2023 – June 2024

Pre-Engineering Program (Year 1):

Key Modules: Algorithmics and Python Programming, Data Analysis (Pandas, Matplotlib, Seaborn), Information Technology Security, International Computer Driving License.

Lycée Manzeh 9 | Tunis, Tunisia

June 2023

Baccalaureate specialty: Mathematics

WORK EXPERIENCE

• **UI/UX Design Freelancer | SOGO Startup**

August 2024 – October 2024

Technology Used: Figma

- Designed a comprehensive dashboard for Field Rental businesses (Web and Mobile).

• **Web Development Intern | ASQII – HealthTech Startup**

June 2024 – July 2024

Technology Used: Figma / HTML / CSS / JavaScript / Firebase

- Utilized Figma to design user interfaces to control chemotherapy medicine preparation machines.
- Developed web applications to activate the machine, manage data, monitor and manage medication preparation processes.
- Collaborated with a cross-functional team of electronic engineers, mechanical engineers, and designers to ensure seamless integration of the software with the machine.

ACHIEVEMENTS

- Competed in the 18th edition of IEEEExtreme, a global competitive programming challenge. (October 2024)
- Participated in “Crackout” Cybersecurity 12-hours Hackathon. (October 2024)
- Participated in SMU (South Mediterranean University) “Healthcare GenAI” hackathon. (March 2024)
- Top 4 Finalist of the ‘WeHelp’ a 24-hour Hackathon among 14 teams. (February 2024)
- Top 5 Finalist of ‘Green Remote Sensing 1.0’ Hackathon. (November 2023)
- Commanded a 10-person team to victory in the IEEE MSE SB debate competition. (October 2023)
- Nurtured the musical talents of over 60 students across 5 years of violin tutoring. (2019 – 2024)

VOLUNTEER EXPERIENCE

- **Logistics Lead for IEEEExtreme 18th Edition at SMU.** *(November 2024)*
 - Coordinated the event organization with the Student Life Department.
 - Managed logistics for 50 participants, ensuring a seamless competition experience.
 - Oversaw event setup and resource allocation for the university.
- **Technical Lead of GDG SMU (Google Developer Group).** *(September 2024 – Present)*
 - Conducted 6 workshops on various technical topics.
 - Reached out to industry speakers for workshop sessions.
 - Delivered an interactive workshop on how to create an e-Portfolio to more than 20 students.
 - Organized “Devfest Hackathon” about “Responsible AI in smart Cities”.
- **Member of Student Life Department SMU** *(September 2024 – Present)*
- **Member of Securinet SMU** *(September 2024 – Present)*
- **Member of SMU Music Club** *(September 2024 – Present)*
- **Member of GDSC SMU (Google Developer Student Club).** *(February 2024 – June 2024)*
- **Member of ENSI MUSIC CLUB:** *(October 2023 – June 2024)*
 - Orchestrated 2 events.
 - Moderated a 4-hour show engaging an audience of 200 people.
- **Member of IEEE MSE SB (Institute of Electrical and Electronics Engineers).** *(September 2023 – June 2024)*

ADDITIONAL SKILLS

- **Languages:** Arabic (*Native Language*), French (Level C2, *DELF A2*), English (*CEFR B2*).
- **Programming Language:** Python (Experienced in application development and library creation), C, Java.
- **Data Analysis:** Skilled in data manipulation using Pandas, Matplotlib libraries for AI model development.
- **Front End Developer:** Implemented web pages for school and personal projects using HTML/CSS.
- **Design:** Skilled in app and webpage prototyping using Figma.
- **Soft Skills:**
 - Eloquent in bridging the communication gap.
 - Effectively conveying ideas to both technical and non-technical audiences.
 - Versed in leveraging diverse perspectives to collaboratively solve complex challenges.

HOBBIES & INTERESTS

- **Music:** Played violin since the age of five with experience performing publicly.
- **Health Technology:** Invested in applying technology to healthcare solutions, demonstrated through participation in multiple hackathons and internship.