Bani Aya

Software Engineering Student

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📞 29003307

📍 Korba , Tunisia

📅 09/08/2002

in linkedin.com/in/aya-bani-75354a284

○ github.com/aya-bani

🧠 SKILLS

- **Programming Languages:** Python, Java, JavaScript
- **Web Development:** HTML/CSS, React, Laravel, Node.js, REST APIs
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Tools & Platforms:** Git, GitHub

🌐 LANGUAGES

Arabic
Native/Bilingual

English
Fluent

Frensh
Proficient

🎸 INTERESTS

- UI/UX design
- Machine Learning
- Event Organization

👤 PROFILE

Software Engineering Student focused on creating practical solutions and improving project outcomes through collaboration and applied skills.

🎓 EDUCATION

Software Engineering Program
ISSATSO ☐
09/2023 – present

Integrated Preparatory Program in Mathematics, Physics, and Computer Science (MPI)
ISSATSO ☐
09/2021 – 05/2023

Tunisian Baccalaureate, Mathematics Section, 2021
2 Mars High School, Korba
Achieved with High Honors

💼 PROFESSIONAL EXPERIENCE

Research Intern
Internship at Manipal Institute of Technology, India ☐
07/2025 – 09/2025 | Manipal , India
Worked on AI projects at Manipal Institute of Technology, improving an SGMD model's performance from 0.83 to 0.93 using neural networks.

Software Engineering Intern
Internship at ENVAST ☐
07/2024 – 09/2024 | Sahloul, Sousse
Developed an e-learning platform with React frontend, Laravel backend, and Bootstrap , designed UI/UX using Figma.

IT Intern
Internship at OMMP ☐
07/2023 – 08/2023 | Tunis, Tunisia
Assisted in the conception and management of file management projects.

📁 PROJECTS

Fiber One Asia ☐
07/2025 – Present
Technologies: React , Tailwindcss
Responsibilities:
- Designed the website UI in Figma for Fiber One Asia (Singaporean company), catering to over 1,000 users.
- Developed the frontend using React and TailwindCSS for a responsive and interactive design.
- Enhanced navigation, accessibility, and overall user experience

ANN-Based Optimization for SGMD Process Prediction ☐
07/2025 – Present
Technologies: Python
Responsibilities: Developed and optimized ANN models for predicting Sweeping Gas Membrane Distillation (SGMD) performance, achieving $R^2 = 0.93$ through hyperparameter tuning and model evaluation.

SkillForge ☐
07/2024 – 09/2024
Technologies: Laravel , React , Bootstrap
Responsibilities:
- Developed RESTful APIs for course management and user authentication, ensuring secure and efficient data handling.
- Implemented frontend components for course listings, enrollment forms, and user dashboards using React.
- Integrated a dark/light mode toggle, improving accessibility and user experience.
- Ensured responsive design using Bootstrap, making the platform mobile-friendly.

🏠 ORGANIZATIONS

North American Tunisian Engineering Group (NATEG)
Charity Department Leader
2023 – 2024 | Sousse, Tunisia
- Led a 15-member team to plan and execute charity events, increasing community engagement.
- Collaborated with 7 core members to organize hackathons and university events, improving project coordination.

HR member
2024-present | Sousse, Tunisia
- organizing and managing recruitment processes for new members.
- contributed to team-building activities and internal communication