

Asmaa Ahmad Shreih

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Personal Statement

Full-Stack Developer with hands-on experience building and deploying scalable web applications using React, Node.js, Express, and MongoDB. Experienced in developing RESTful APIs, implementing authentication systems, and working across both frontend and backend architectures. Proven ability to deliver real-world projects from concept to deployment, with a strong focus on performance, clean code, and user experience. Open to learning and adapting to new technologies, and continuously expanding technical expertise in fast-evolving environments.

Education

Bachelor of Science in Computer Science

American University of Beirut, Beirut, Lebanon

Skills

- Proficient in Java, C, C++, Python, JavaScript, TypeScript, PHP
- **Frontend:** HTML, CSS, JavaScript, Astro, Tailwind CSS, React.js, Next.js, Angular, AJAX
- **Backend:** Node.js, Express.js, NestJS, Flask, PHP (Yii2), RESTful APIs, Laravel
- **UI/Design:** Figma, UI/UX implementation + AI designing tools
- **Databases:** SQL for relational databases and MongoDB for NoSQL databases, supabase
- **Version Control:** Git, GitHub & GitLab
- **DevOps & CI/CD:** GitHub Actions / GitLab CI/CD, Deployment (Render, Vercel), Docker
- **Soft Skills:** Fast learner, Problem-solving, time management, teamwork, communication, ability to meet tight deadlines
- **Machine Learning & Data Science:** Data analysis, machine learning models, Python (pandas, NumPy, scikit-learn)

Work Experience

- **Full Stack Developer – Brainkets**
Tyre, Lebanon | *Dec 2025 – Present*
 - Developed and maintained full-stack web applications using **Next.js, Laravel, PHP (Yii2), and MySQL**
 - Built responsive and user-friendly interfaces while ensuring efficient backend functionality

- Collaborated with team members to deliver client-based projects from concept to deployment
 - Integrated APIs and optimized database queries for improved performance
 - Assisted in debugging, testing, and maintaining scalable applications
- **Full Stack Developer – Tawasol**
Jbeil, Lebanon | *Dec 2025 – Present*
 - Contributed to the backend development of an AI-powered interview practice platform
 - Built and maintained RESTful APIs using Node.js and Express.js
 - Designed and managed application data using Supabase (PostgreSQL)
 - Ensured secure and scalable data handling with structured relational schemas
 - Collaborated closely with frontend developers to integrate APIs and improve user experience
- **Full Stack Developer Intern – EBeauty**
Dubai, UAE - *Dec 2024 – June 2025*
 - Contributed to building a salon management application
 - Developed backend APIs to support user management and booking features
 - Participated in frontend design, ensuring a smooth and user-friendly experience
- **Data Management Team Lead Intern – FEKRA Project**
Beirut, Lebanon - *Summer 2024 – 6 months*
 - Led the data management team, ensuring accurate and efficient handling of project data
 - Collaborated with team members to streamline data processes and improve project efficiency
- **Full-Stack Web Development Trainee - The Digital Hub**
Saida, Lebanon
 - Completed an intensive 4-month training program focused on modern full-stack development
 - Built **5+ full-stack projects**, independently and in team-based environments
 - Managed the **full software development lifecycle** from requirements gathering and design to development, testing, deployment, and maintenance
 - Applied **Agile methodology**, collaborating in iterative development cycles and team-based workflows
 - Delivered projects under **tight deadlines**, simulating real-world production environments

Projects

- **SamanaHome Website – Client project (still in progress)**

Developing a full-stack website for a furniture and home business showcasing products, designers, and collections

- Implementing an admin dashboard to manage content, products, and categories
- Emphasis on responsive UI/UX design, accessibility
- Tech Stack: Next.js / React, Laravel / PHP (Yii2), MySQL (database)

Live: <https://samanahome.samanahome13.workers.dev/>

- **FEKRA Website – Final Year Project**

Developed a comprehensive educational platform for FEKRA, an NGO supporting students in Lebanon (5,000+ users)

- Features include: events calendar, scholarship opportunities, educational resources, student success stories, AI chatbot and much more features
- Built using React (frontend), Node.js & Express.js (backend), and MongoDB (database)

Live: <https://fyp-frontend-blond.vercel.app/>

- **Path2Uni – Full-Stack University Guidance Platform**

A fully deployed web platform built from A to Z to help Lebanese students navigate university applications, scholarships, and academic planning

- Developed secure authentication with JWT and email verification
- Designed user-specific features like persistent checklists and dynamic forms
- Built using HTML, CSS, JavaScript (frontend), Node.js, Express.js (backend), and MongoDB (database)
- Implemented RESTful APIs, modular code structure (routes, controllers, models)
- Deployed using Render and connected to MongoDB Atlas for cloud storage

Github repo: <https://github.com/asmaachreih1/Path2Uni.git>

Live: <https://path2uni.onrender.com>

- **Social Media Website for Tech Lovers**

- Worked on a social media platform specifically for tech enthusiasts to connect and share updates about their interests. The website includes features like secure user access, friend

connections, customizable privacy settings, and real-time interactions, allowing users to share updates, photos, and videos in a dedicated space for tech discussions.

Github repo: <https://github.com/GProgrammer1/SocialMediaApp.git>

- **EEG Alzheimer's Detection (Machine Learning)**
 - Cleaned EEG data, applied normalization and feature extraction
 - Built ML models (Logistic Regression, SVM, Random Forest) to distinguish Alzheimer's vs. healthy signals
 - Performed EDA, evaluated results using accuracy, precision/recall, and confusion matrix

Google collab link: https://colab.research.google.com/drive/1s3gViNlxa0i4-VB7ms_RphA0Su6CBv20?usp=sharing

Certifications and Training

- Certified in Java Programming
- Completed Python Programming Course
- Cybersecurity Certificate
- Time Management Training
- Leadership Certificates
- LeNet Tech Fellows Program Certification