

DINA ELSERGANI

SOFTWARE DEVELOPER

CONTACT

- +20-1557532731
- dina0elsergani@gmail.com
- <https://dina.network/>
- Egypt

SKILLS

- Full-Stack Dev
- Problem Solving
- Machine Learning
- NLP

EDUCATION

Bachelor of Computer Science

Mansoura University

2020 - 2024

Engaged in a focused program on software development and AI, with practical projects and expected graduation in 2024.

ITI Egypt Training

2019 - 2022

Intensive training in Web and App Development, with hands-on experience in front-end and back-end technologies.

LANGUAGES

Arabic 

English 

PROFILE

I am Dina, a driven full-stack developer specializing in both web and mobile application development, with a strong focus on creating integrated solutions that leverage machine learning and natural language processing to enhance user engagement. With a background in freelance projects and a proactive approach to technology, I bring a unique blend of creative and technical expertise to my role, ensuring high-quality and innovative software solutions.

WORK EXPERIENCE

Full-Stack Developer

Freelance 2021-2023

- Engineered and launched custom web and mobile applications from scratch, tailored to the specific needs of diverse clientele, including startups and established businesses.
- Utilized a wide array of technologies and programming languages, such as Python, JavaScript, React, and Node.js, to build scalable and maintainable codebases.
- Implemented sophisticated machine learning models to automate critical processes, enhance data analytics capabilities, and provide actionable insights to clients.
- Orchestrated the migration of legacy systems to modern architectures, improving system reliability and operational efficiency.
- Provided ongoing maintenance and iterative updates to existing applications, incorporating user feedback to continuously improve product quality and functionality.

Full Stack Developer

Mostaqil 2023-present

- Spearheaded the development of robust web and mobile applications, emphasizing secure, scalable, and efficient backend architectures combined with intuitive front-ends.
- Collaborated with cross-functional teams, including UX/UI designers and product managers, to ensure cohesive and strategic product development.
- Implemented data-driven features utilizing machine learning and analytics to drive user engagement and provide personalized user experiences.
- Conducted comprehensive testing and quality assurance, ensuring that applications met rigorous standards before launch.
- Acted as a mentor to junior developers, fostering a collaborative team environment and enhancing collective learning and growth through regular code reviews and one-on-one sessions.

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EXPERTISE

- Full-Stack Web Development:** Proficient in all stages of application development from database to UI design.
- Machine Learning and AI:** Experienced in using machine learning to enhance user interactions and automate decisions.
- Natural Language Processing:** Skilled in NLP for improving human-computer interactions through language analysis.
- Project Leadership:** Proven leadership in guiding development teams through entire project lifecycles.
- Technical Problem Solving:** Expert in solving complex technical issues and optimizing system performance.

SOFT SKILLS

- Communication
- Teamwork
- Adaptability
- Problem-Solving
- Leadership
- Time Management
- Emotional Intelligence

SKILLS AND PROJECTS

Web Development

- Technologies Used:** HTML, CSS, JavaScript, React, Node.js, PHP, Django
- Projects:**
 - E-Commerce Platform:** Developed a comprehensive full-stack e-commerce site using HTML, CSS, JavaScript for the frontend, and Node.js with Express for the backend. Integrated user authentication, real-time product updates, and secure payment processing. Implemented advanced features such as shopping cart functionality and user profile management, which resulted in a 30% increase in client sales.
 - Chat Website:** Engineered a responsive chat platform using React for the frontend and Django for the backend. Designed to support real-time communication among users, the platform includes features like instant messaging, group chats, and user status indicators. Optimized for high performance and search engine visibility, which enhanced user engagement and site traffic.
 - Educational Website:** Created an interactive educational platform using HTML, CSS, and JavaScript for the frontend and PHP for the backend. Features include user registration, course management, quizzes, and progress tracking. Implemented a responsive design to ensure usability across devices, enhancing the learning experience for students.
 - Restaurant Website:** Developed a dynamic restaurant website using React and Node.js, featuring an online reservation system, digital menu, and customer reviews. Integrated Google Maps API for location services and optimized for mobile viewing to improve customer accessibility and engagement.
 - Company Dashboard:** Built a company dashboard application using React for the frontend and Django for the backend. The dashboard provides real-time analytics and reporting, including sales data, employee performance metrics, and inventory management. Implemented user role management to control access to different parts of the dashboard, enhancing security and data integrity.

Natural Language Processing

- Technologies Used:** Python, NLTK, spaCy
- Projects:**
 - Chatbot Development:** Developed a chatbot for a retail site using Python, NLTK, and spaCy to handle customer inquiries and orders, enhancing user interaction and support efficiency.
 - Text Summarization Tool:** Built an NLP tool with Python and spaCy to automatically summarize long articles into concise reports, boosting executive productivity by reducing reading time.
 - Sentiment Analysis System:** Created a sentiment analysis system to classify customer feedback from social media into positive, negative, or neutral categories, aiding marketing strategies.
 - Named Entity Recognition (NER):** Implemented an NER tool to extract and classify named entities from text, improving data analysis and reporting.
 - Language Translation Model:** Developed a model to translate text between languages, facilitating better communication in a multilingual team.

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SOFT SKILLS

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Teamwork

Adaptability

Problem-Solving

Leadership

Time Management

Emotional Intelligence

SKILLS AND PROJECTS

Mobile App Development

- Technologies Used:** Flutter, Dart, Firebase
- Projects:**
 - E-Commerce App:** Engineered a cross-platform e-commerce application using Flutter, which features user profiles, product browsing, and secure payment transactions. Implemented Firebase for backend services including authentication, database management, and storage solutions to handle large volumes of user data efficiently. Integrated real-time order tracking and notifications to enhance user experience.
 - Career Shift App:** Developed an innovative app aimed at helping users navigate career changes, incorporating AI to suggest roles based on user skills, experience, and interests. Integrated machine learning algorithms to analyze job market trends and provide personalized career advice and resources. Included features such as resume builders, interview tips, and career goal tracking to offer comprehensive support.
 - Music App:** Created a music streaming app using Flutter, featuring personalized playlists, offline playback, and real-time recommendations. Utilized Firebase for user authentication, data storage, and streaming capabilities, providing users with a seamless listening experience. Implemented advanced search and filter options, allowing users to easily discover new music and artists.
 - Educational App:** Developed an educational app with Flutter, designed to offer interactive learning modules, quizzes, and progress tracking for students. Integrated Firebase for real-time data synchronization, user authentication, and cloud storage to ensure a reliable and engaging learning platform. Added features like discussion forums, peer assessments, and gamified learning experiences to foster an interactive and collaborative educational environment.
 - Ebooks App:** Engineered an eBooks app using Flutter, allowing users to browse, purchase, and read eBooks. Included features such as user libraries, bookmarks, and reading progress tracking. Leveraged Firebase for backend services, ensuring secure transactions and efficient data management. Enhanced the reading experience with adjustable font sizes, night mode, and text-to-speech capabilities, making it accessible to a wider audience.

Cloud Computing and DevOps

- Technologies Used:** AWS, Docker, Kubernetes, Jenkins
- Projects:**
 - Cloud Infrastructure Setup:** Designed and deployed scalable, secure cloud infrastructure using AWS (EC2, S3, RDS). Implemented automated backups and disaster recovery for high availability and data integrity.
 - CI/CD Pipeline Implementation:** Developed CI/CD pipelines with Jenkins and Docker to automate testing and deployment, improving efficiency and reducing go-to-market time. Integrated Kubernetes for container orchestration.
 - Monitoring and Logging:** Set up AWS CloudWatch and ELK Stack for real-time monitoring and logging, enhancing system performance insights and issue resolution.
 - Containerization Strategy:** Implemented Docker for consistent development and production environments, reducing deployment errors and improving team collaboration.
 - Infrastructure as Code (IaC):** Used AWS CloudFormation and Terraform to manage infrastructure as code, ensuring consistent and scalable deployments.