

Rawan Mohamed Ahmed El Badawi Sayed

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Profile

Detail-oriented, organized, and meticulous employee. Works at fast pace to meet tight deadlines. Enthusiastic team player ready to contribute to company success.

Education

Computer science Bachelor Degree GPA: 3.1, 09/2020 – 07/2024
Faculty of Computer and Information sciences, Ain Shams University Cairo, Egypt

Experience

Software engineer, NACITA 08/2024 – present
Cairo, Egypt

- Developed robust software solutions using Angular, Node.js, and PostgreSQL, enhancing system functionality and user experience.
- Designed and delivered new courier tracking features in the company's mobile app using React Native, improving delivery efficiency and visibility for operations teams.
- Engaged in user testing sessions, gathering feedback to inform iterative improvements and enhance customer satisfaction.
- Optimized system performance and scalability through refactoring and code enhancements.
- Troubleshoot and resolved software defects, ensuring system reliability and optimal performance for end-users.
- Contributed to Shopify website development, improving e-commerce functionality.
- Integrated analytics dashboards using Looker and BigQuery that reduced reporting time from several hours to minutes, enabling data-driven decision making for managers.
- Collaborated with cross-functional teams to gather requirements and deliver software features aligned with project timelines.
- Implemented Agile methodologies, participating in daily stand-ups and sprint reviews to improve team productivity.
- Conducted code reviews and provided constructive feedback, fostering a culture of continuous improvement among peers.

Front-end developer (Intern), Egyptair 07/2021 – 08/2021
Cairo, Egypt

- Gained hands-on experience in front-end development using HTML, CSS, and JavaScript.
- Contributed to the UI implementation of internal web pages under the supervision of senior developers.
- Participated in debugging and UI testing to ensure consistent design and cross-browser compatibility.
- Collaborated with the design team to translate Figma mockups into responsive, functional components.

Projects

Bone type and fracture detection, Python, TensorFlow, Keras, OpenCV, scikit-learn 09/2023 – 07/2024

- Led the design and development of a deep learning model to classify bone types and detect fractures using CNN architectures like Xception, ResNet50, DenseNet, and MobileNet.
- Managed end-to-end delivery: Preprocessed medical X-ray images using OpenCV and trained models on labeled datasets for multi-class classification.
- Achieved 82% accuracy on test data and optimized performance through hyperparameter tuning.
- Focused on usability by ensuring model generalizability by evaluating precision, recall, and F1-score across different bones and fracture types.

Neural Network and Transformer from scratch, Python, NumPy 10/2023 – 12/2023

- Implemented a basic neural network from the ground up, including forward and backward propagation, gradient descent, and loss functions.
- Developed a simple transformer architecture to process sequential data, gaining a foundational understanding of attention mechanisms and deep learning internals.

Courses / Workshops

Introduction to Data Analytics on Google Cloud, Google Cloud Skills Boost 01/2025 – 01/2025

Earned a badge in the introductory course on Google BigQuery and Looker, demonstrating an understanding of data ethics and tooling.

Generative AI course, Sprints academy 04/2024 – 05/2024

Developed proficiency in prompt engineering, gaining a comprehensive understanding of generative AI environments and their operational principles.

Software testing, Stepup academy 08/2023 – 09/2023

Developed a strong understanding of software testing techniques and methodologies through hands-on experience with manual and automated testing processes.

Certificates

- Introduction to Data Analytics on Google Cloud Badge
- Certificate of completion of Egyptair Front-end internship

Product skills

- Roadmap planning
- User research
- Data-Driven decision making
- Agile
- Product analytics
- Stakeholder communication

Technical Skills

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|-------------------------------------|-------------------------------|
| • Angular | • HTML programming language |
| • CSS programming language | • Node js |
| • JavaScript programming language | • react native |
| • Postman | • SQL |
| • BigQuery | • Shopify |
| • Selenium | • Python programming language |
| • Deep learning and Neural Networks | • AI and Machine learning |
| • C++/ C# programming languages | • Java programming language |
| • Microsoft word, Excel, PowerPoint | |

Soft Skills

- Analytical Thinking
- Time management
- Critical Thinking
- Team work and collaboration
- Adaptability
- Creativity
- Attention to Detail