

Mohamed Ramadan Abdelhakam Mohamed

Full Stack Developer (MERN | Laravel)

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EDUCATION

Pisa University, Pisa

Expected Graduate: 2027

Master's In Computer Engineering | Minor: Cyper Security

Benha University, Benha

Bachelor in Computer Science | Minor: Medical Informatics

GPA: 3.3/4

Relevant Coursework: Structured Programming, Calculus, OOP, Computer Architecture, Data Structures, Algorithms, Software Engineering, Machine Learning, Biostatistics, Databases, Data Mining, Information security

SKILLS

- **Computer:** Proficient in C++, Advanced Proficiency in Java, JavaScript, Python, NodeJS, PHP
ReactJS, Chart.js, HTML, CSS, Laravel, Sql, Mongodb
- **Software:** LINUX, Windows, MacOS
- **Languages:** Fluent in Arabic, English

RESEARCH EXPERIENCE

Undergraduate Researcher: [Paper Link](#)

August 2022 – September 2023

Department of Scientific Computing, Computers & AI Benha University

Benha, Egypt

- Developed a diagnostic method for Autism Spectrum Disorder using machine learning techniques.
- Implemented a diagnostic model covering diverse age groups from infants to adults.
- Achieved outstanding accuracy rates: 99.9% for toddlers, 99.3% for children, 94.3% for adolescents, and 99.7% for adults.

WORK EXPERIENCE

Software Engineer (Backend Development) at HandleT

June 2023 – October 2024

- Developing backend solutions for a versatile company, providing software solutions for various industries.
- Contributing to the creation of software solutions for clients.

Full Stack Engineer Intern at VNCR Group (England)

May 2024 – August 2024

- Developed and maintained full-stack web application already on reality
- Implemented RESTful APIs and optimized backend performance, and enhancing the efficiency of web app.

Information Technology Institute (ITI), Egypt | Software Engineer internship

July 2022 – August 2022

- Learned front-end development with HTML, CSS, and JS.
- Used Django in Python for strong backend development.
- Managed databases effectively using SQL.

Information Technology Institute (ITI), Egypt | Full Stack Internship

June 2023 – August 2023

- Explored the MERN Stack (MongoDB, Express JS, React JS, and Node.js) to enhance full-stack development skills.
- Guided the implementation of a Clinic System, prioritizing user-friendly doctor selection.
- Integrated payment system, enhancing project functionality.

- Played a key role in building a portal website for an Alexandria University conference.
- Used HTML, CSS, jQuery, and JS for the smooth development of the portal.
- Deployed the project with Cloudflare to ensure accessibility and reliability.

Information Technology Institute (ITI) | Frontend Internship

July 2023 – August 2023

- Learned various front-end technologies, including HTML5, CSS3, JS, ES6, Bootstrap, and ReactJS.
- Executed marketing project, demonstrated adaptability and creative problem-solving.

PROJECTS

RadioTech (Graduation Project) | Grade: A+: [GitHub](#)

- Developed a medical System for brain stroke patients using React, Chakra UI, and Express JS.
- Integrated AI-driven Deep learning for accurate stroke Detection and segmentation with Python.
- Enhanced Healthcare collaboration and scheduling with global radiologist access using Node.js, MongoDB and use Real time for Chatting system using Socket.io.

FLFS Conference Event Portal: [FLFS](#)

- Created a dynamic event portal for Alexandria University's Faculty of Agriculture.
- Utilized HTML, CSS, JavaScript, and jQuery.
- Streamlined communication and scheduling for participants and speakers.

Dental Clinic Management System: [GitHub](#)

- Developed a website using Express, MongoDB, Stripe, and Node.js.
- Implemented features for doctor appointment management, patient booking, and credit card billing.
- Created the frontend using React.js and Context API.

Appointment Website: [GitHub](#)

- Created an appointment website using Python with Django for backend and SQL for the database.
- Implemented frontend with HTML, CSS, JS, and Bootstrap.
- Enhanced healthcare efficiency with convenient online scheduling for patient-centric care.

VOLUNTEER EXPERIENCE

Life Makers Foundation | Old Member

June 2021 – present

- Actively contribute to community development through diverse campaigns and projects with Life Makers Foundation.
- Cultivate teamwork, time management, and leadership skills by leading large groups.

IEEE Student Activity | Scientific Member

September 2023 – present

- Collaborate with fellow Scientific Members to improve the IEEE BUB website and develop the portal for events.

Awards and Honors

IEEE Egypt Student Paper Contest (SPC) | 4th Place

12 Nov 2023

- Egypt Student Paper Contest participant with a machine learning-based Autism diagnostic method.
- Achieved high accuracy rates across age groups.
- Secured 4th position nationwide out of 27 papers in the competition.