

# Habiba Mohamed Abdalrahman

## Software Engineer | Full-Stack & AI Specialist

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### Summary

Innovative and results-driven **Software Engineer** with **4+ years of experience** designing and building scalable, intelligent web applications. Proven expertise in bridging the gap between **Full-Stack Development** (Node.js, React, Django) and **Modern AI Frameworks** to deliver high-performance solutions. Adept at database optimization, API development, and data visualization. Committed to leveraging deep technical knowledge in AI and software architecture to solve complex business problems in dynamic environments.

### Technical Skills

- **AI & Data Science:** Python, TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, Power BI, MATLAB.
- **Back-End & Cloud:** Node.js, Django, .NET, RESTful APIs, AWS, Docker, Microservices Architecture.
- **Front-End:** React.js, Angular, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS.
- **Databases:** PostgreSQL, MongoDB, MySQL (Design, Optimization & Management).
- **Tools & DevOps:** Git, GitHub, Postman, Visual Studio Code, Agile/Scrum Methodologies.

### Experience

#### Upwork / Khamsat

Freelance Full-Stack Developer

Remote

2020 – Present

- Delivered over 20+ successful projects, maintaining a **100% client satisfaction rate** by building responsive and scalable web applications.
- Developed complex **E-commerce platforms** and interactive dashboards using **React.js** and **Node.js**, ensuring cross-browser compatibility and high performance.
- Integrated intelligent features into web apps, such as data visualization dashboards using **Python** and automated reporting systems.
- Designed and optimized database schemas (MySQL, MongoDB) to handle growing data loads efficiently.

#### NTC Coders (Tech Startup)

Software Engineer (Full-Stack)

Remote

2023 – Present

- Spearheaded the end-to-end development of the startup's core web products using **React, Angular, and .NET**.
- Collaborated with cross-functional teams to define system architecture, ensuring scalability for future AI feature integration.
- Implemented robust back-end logic using **Node.js**, enhancing API response times by 30%.
- Played a key role in SEO optimization and establishing the brand's digital identity.

#### Information Technology Institute (ITI)

Full-Stack Developer Intern

Egypt

2023 – 2023

- Developed full-stack IoT applications, implementing real-time data visualization for smart devices using **JavaScript and Python**.
- Worked in an Agile environment to debug complex codebases and improve application stability.

### Key Projects

#### Full-Stack

Intelligent E-Commerce Platform

React, Firebase, PostgreSQL

Developed a fully functional, scalable online store featuring secure payment integration and dynamic product recommendation logic.

#### Full-Stack

Smart Home Automation

IoT, Web Interface

Created a web-based interface for smart home automation, integrating hardware sensors with a cloud-based dashboard for real-time monitoring.

#### Data Science

Data Analysis Dashboard

Python, Power BI

Visualized large datasets to provide actionable business insights, transforming raw data into clear, strategic metrics.

**Full-Stack**

*Job Finder Application*

*React, Node.js, MongoDB*

Built a full-stack job search platform with advanced filtering, user authentication, and optimized search algorithms.

**Education**

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**Egyptian Russian University**

*B.Sc. in Artificial Intelligence*

**Giza, Egypt**

*Expected 2027*

**Certifications & Awards**

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**Digital Egypt Pioneers Initiative**

*Front-End Developer Leader*

*DEBI*

*Full-Stack Development Professional Certificate*

*Udemy*

*Data Analysis Professional Certificate*

*Microsoft x ITI*

*Cybersecurity & DevOps Fundamentals*

*IBM*

*1st Place in Kickboxing (Giza Governorate)*

*Sports*

**Languages**

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**Arabic:** Native

**English:** Fluent