

# BASMALA TAHA MOHAMED TAHA

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## Education

**Egypt Japan University of Science and Technology**

Oct 2022 – Jun 2026

- Bachelor of Computer Science, CGPA: 3.09/4.00

**Menofia STEM School**

Graduation Year

- STEM Education

## Experience

**National Telecommunication Institute (NTI) | Data Analysis Intern**

Aug 2024

- Programming with Python for data analysis tasks.
- Mastered data analysis using Excel, integrating it with Python workflows.
- Performed data cleaning tasks and worked with SQL databases.
- Created dynamic and interactive data visualizations (dashboards).

**Huawei Certified ICT Associate (HCIA) | Big Data Intern**

Jul – Aug 2024

- Developed a foundational understanding of Big Data technologies, including Hadoop.
- Worked with large datasets, gaining hands-on experience in Big Data processing.

**Arabs in Neuroscience | Ibn Sina Neurotech Summer School**

Aug 2024

- Completed a program at AUC focused on EEG data collection and Brain-Computer Interface technologies.
- Participated in collaborative projects aimed at advancing neurotechnology.

## Projects

**Gym Website - Frontend Development | HTML, CSS, JavaScript**

Nov 2023

- Developed an interactive website to help users track their fitness progress.
- Implemented a weight loss indicator using JavaScript to assist users with their goals.

**Optimized Data Workflow for Machine Learning Models | Python, Power BI**

May 2024

- Optimized data workflows, achieving 1.0 accuracy in classification with Decision Trees.
- Preprocessed data, including handling null values and normalization.

**Anti-Attack Device for Heart Patients | Sensor Integration**

Apr 2021

- Designed a wearable heart-monitoring device to assist at-risk patients.

**Sales Analysis Report - Dashboard Development | Power BI, Excel, Python**

Aug 2024

- Developed an interactive dashboard for analyzing sales data and generating actionable insights.

## Extracurricular Activities

**Tycoons | Tutoring Building Projects**

Aug 2020 – Mar 2021

- Provided AI, Web Development, and Bioinformatics tutorials to over 200 students.

**IEEE E-JUST | Technical Member**

Mar 2023 – Present

- Gained hands-on experience in robotics and electronics projects.
- Developed teaching skills by instructing peers in technical concepts.

## Honors and Awards

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**1st Place**, NASA Space App Suhage Category Confront

**Shortlisted**, Plasstoff Competition

**3rd Place**, Egyptian National University Competition

## Technical Skills

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**Languages:** Python, R, JavaScript, SQL

**Tools:** GitHub, Git, PowerBI, Command-Line Interface

## Spoken Languages

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Arabic (Native), English (C1), German (A1), Japanese (N5)