# MD. TAMIM IQBAL

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## PROFESSIONAL SUMMARY

Computer Science and Engineering graduate (CGPA 3.80/4.00) focused on software engineering and full-stack development. Built projects spanning web applications, machine learning, computer graphics, and simulation. Familiar with JavaScript, TypeScript, React, Next.js, Node.js, Express.js, MongoDB, C/C++, and Python.

## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, C, C++, Python, SQL

**Frontend:** React, Next.js, HTML5, CSS3, Tailwind CSS

**Backend & Databases:** Node.js, Express.js, REST APIs, MongoDB, MySQL

**Data & Machine Learning:** Python, pandas, NumPy, scikit-learn, data preprocessing, classification, regression

**Tools & Platforms:** Git, GitHub, OpenGL, GLFW, GLAD, Arduino

## SELECTED PROJECTS

### SyntaxHub | Programming Learning Platform

Developed a programming-learning platform with user authentication and profiles, course/tutorial browsing, and an admin dashboard for content management.

**Technologies:** React, TypeScript, Node.js, Express.js, MongoDB

### Computer Graphics Projects

Implemented DDA line drawing, Bresenham line and circle algorithms, geometric transformations (rotation, scaling, translation), color interpolation, animation, and a Solar System project.

**Technologies:** C++, OpenGL, GLFW, GLAD

### Machine Learning Experiments

Explored datasets and implemented classification, regression, model improvement, image classification, and neural-network experiments. Worked with datasets including Titanic, Zoo, BBC News, garment productivity, cirrhosis, digits, and diabetes.

**Technologies:** Python, pandas, NumPy, scikit-learn

### Simulation & Statistical Analysis

Created Python notebooks for weather-temperature simulation and analysis, one-sample t-tests, t-test assignments, and pooled two-sample t-tests.

**Technologies:** Python, Jupyter Notebook

## EDUCATION

**B.Sc. in Computer Science and Engineering** | University of Information Technology and Sciences (UITS)

2022–2026 | CGPA: 3.80/4.00

## ACHIEVEMENTS & CERTIFICATION

• Solved 300+ competitive programming problems; CodeChef 2-star.

• Campus Hero recognition, Programming Hero.

## LANGUAGES

Bangla, English