

Omar Sheikh

omarr.sheikh@gmail.com | github.com/omarris | omarris.com

Education

New York Institute of Technology – Master's in Computer Science	Dec 2024
New York Institute of Technology – Bachelor's in Computer Science	Dec 2023

Skills

Languages: Swift, JavaScript, C#, Python, Java, SQL, HTML/CSS, PHP

Frameworks: React, SwiftUI, .NET, FastAPI

Developer Tools: GitHub, VSCode, Xcode, MyPHPAdmin, UiPath, MAMP

Experience

Software Engineer Intern, Memorial Sloan Kettering Cancer Center – New York, NY June 2023 – Aug 2023

- Automated 3 new hire HR processes, saving 90 hours monthly for HR, by utilizing UiPath with C# to cut manual effort by 30% daily
- Integrated Workday with UiPath automations, enhancing automation efficiency by 20%, by developing a RESTful API using FastAPI in Python
- Conducted user acceptance testing (UAT), improving system reliability by 25%, by developing comprehensive test plans and automated test scripts in Python

Software Engineer Intern, Memorial Sloan Kettering Cancer Center – New York, NY June 2022 – Aug 2022

- Developed a .NET application, saving 20 hours weekly, by automating Crystal Report conversion to PDFs using C#
- Deployed a data retrieval program, achieving a 40% reduction in access time, by accessing clinical databases and extracting 24 and 48-hour records for real-time patient data access with C#
- Enhanced data security, achieving 99.9% encryption success, by using C# cryptography to ensure HIPAA compliance

Projects

SimpleSpend | Swift, SwiftUI, Realm, Sentry [App Store Link](#)

- Developed and deployed a budget management app to the App Store to help students with expense tracking
- Utilized SwiftUI for a modern, intuitive user interface and Realm database for local data retrieval and storage
- Implemented Sentry for real-time error monitoring and debugging to ensure app stability and performance

Critic | MongoDB, Express, React, Node.js [Github](#)

- Engineered a full-stack web application for movie discovery through famous directors and film festivals
- Implemented a JWT-based user authentication for personal movie recommendations based on user preferences
- Integrated a RESTful API with MongoDB for data management and retrieval

Income Predictor | Python, NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn [Github](#)

- Designed a Python-based machine learning model to predict income, using over 1,100 data points from Kaggle
- Achieved 85% accuracy with Random Forest Classifier by identifying key factors like age, education, and work hours

E-Learning Web App | PHP, MySQL, HTML, CSS, JavaScript [Github](#)

- Developed a full-stack e-learning application for 30 Biology and Calculus lessons with real-time progress visualization
- Implemented PHP/MySQL authentication, session management, and personalized access/lessons for 200+ students