

# Omar Sheikh

408-480-9494 | [omarr.sheikh@gmail.com](mailto:omarr.sheikh@gmail.com) | [linkedin.com/in/omarris](https://www.linkedin.com/in/omarris) | [github.com/omarris](https://github.com/omarris) | [omarris.com](https://omarris.com)

## EDUCATION

### New York Institute of Technology

*Master of Science in Computer Science — GPA: 3.8/4.0*

New York, NY

*Dec. 2023 – Dec. 2024*

### New York Institute of Technology

*Bachelor of Science in Computer Science*

New York, NY

*Sep. 2021 – Dec 2023*

## EXPERIENCE

### RPA Software Engineer Intern

*Memorial Sloan Kettering Cancer Center*

May 2023 – Aug. 2023

*New York, NY*

- Automated three new hire HR workflows with UiPath using C#, cutting manual effort by 30% to save 90 hours monthly for HR
- Developed a RESTful API using FastAPI for Workday integration within UiPath automations, improving automation process efficiency by 20%
- Partnered with HR to automate key processes, aligning automation outcomes and business user expectations for UAT (user acceptance testing) of new systems

### Software Engineer Intern

*Memorial Sloan Kettering Cancer Center*

May. 2022 – Aug. 2022

*New York, NY*

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

## PROJECTS

### IncomeInsight | *Python, NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn*

Dec. 2023

- Developed an income prediction ML model in Python with pandas, matplotlib, seaborn, scikit-learn, and NumPy
- Processed 1,100+ data points, enhancing model interpretability through feature engineering and data pre-processing
- Achieved an 85.12% accuracy with a trained Random Forest Classifier, identifying crucial predictors like age, education level, marital status, and weekly working hours in income level predictions.

### OpenAI Chatbot | *Node.js, ChatGPT API, OpenAI Library*

Nov. 2023

- Developed an AI chatbot handling 300+ user interactions weekly with dynamic conversational capabilities
- Implemented persistent chat history storage, improving user retention by 20%
- Utilized the official OpenAI library, Dot ENV for secure API key storage, and Colors for enhanced console visualization

### Moodle E-Learning | *PHP, MySQL, HTML, CSS, JavaScript*

Jan. 2023 – Dec. 2023

- Developed a full-stack e-learning application using HTML, CSS, JavaScript (AJAX), and Chart.js for 30 interactive lessons and real-time data visualization
- Implemented PHP/MySQL authentication and session management for security and personalized access for 200+ students
- Engineered adaptive testing modules and using PHP and JavaScript, personalizing exam content based on student performance, increasing student engagement by 35%

## TECHNICAL SKILLS

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

**Frameworks:** React, .NET, Material-UI, FastAPI

**Developer Tools:** GitHub, VS Code, Visual Studio, Eclipse, XCode, MyPHPAdmin, UiPath, MAMP

**Libraries:** OpenAI, Chart.js, AJAX, NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn