

# Nisal Attanayake

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## SOFTWARE ENGINEER

Passionate software engineer with experience in full-stack development, API integration, and data-driven solutions. Strong foundation in JavaScript, Python, and SQL, with hands-on experience in building diverse projects, including AI chatbots, budgeting apps, and simple game development. Skilled in training AI models, analyzing code quality, and optimizing AI-generated outputs through professional experience.

## SKILLS

- **Programming Languages:** Javascript, HTML, CSS, Python, R, SQL, Java
- **Others:** React, Django, Express, Node.js, Visual Studio Code, GitHub, Google Cloud Build, MongoDB, PostgreSQL, AutoCAD, Eclipse

## SOFTWARE ENGINEERING PROJECTS

### Full-Stack Developer - BoomerBot - AI ChatBot | [GitHub](#) | [Visit Site](#)

- Collaborated with 3 other software engineers to create a functioning AI chatbot.
- Full MERN stack app that employs Google's Gemini AI API.

### Python Developer - Twitter/Hinge Clone (Togethr) | [GitHub](#) | [Visit Site](#)

- Collaborated with 2 other software engineers to create a Twitter clone.
- Utilized Python, Django, HTML, and CSS in order to create a functioning website.
- Created databases and models using SQL and Python, respectively.

### Back-End Developer - Budgeting App | [GitHub](#)

- Created a functioning full-stack application that allows a user to add transactions and track their budget.
- Displayed knowledge of Express framework and Node in creating back-end.
- Applied knowledge of HTML, Javascript, and CSS in order to create and style front-end.
- Created databases through Google OAUTH and MongoDB Atlas.

### Front-End Developer - Flappy Bird | [GitHub](#) | [Visit Site](#)

- Applied knowledge of DOM manipulation and canvas to make a functioning browser game.
- Researched and applied methods to create a game from scratch.

## WORK EXPERIENCE

### University of Maryland Global Campus, Python Peer Tutor

Remote, 03/2025 - Current

- Assisted students in understanding Python programming concepts, including data structures, algorithms, and object-oriented programming.
- Provided one-on-one and group tutoring sessions to reinforce course material and improve problem-solving skills.
- Reviewed and debugged student code, offering guidance on best practices and efficiency improvements.

### DataAnnotation, AI Trainer

Remote, 02/2024 - Current

- Designed and tested complex coding prompts to enhance AI-generated code quality and accuracy.
- Reviewed and evaluated AI-generated responses, identifying inconsistencies and improving overall model performance.
- Provided detailed feedback by rewriting incorrect or inefficient AI-generated code to align with best coding practices.

### General Assembly, Software Engineering Immersive

Remote, 09/2023 - 12/2023

- Successfully completed 500+ hours of expert led instruction in front and back-end development.
- Developed projects to apply hands-on learning of Javascript, CSS, HTML, Python, SQL and related frameworks/libraries.

## EDUCATION

### University of Maryland Global Campus, Computer Science B.S.

Remote: 09/2024 - Current

- Maintained a 4.0 GPA

### General Assembly, Software Engineering Immersive

Certificate Earned: 12/2023

### New York Institute of Technology, Electrical & Computer Engineer B.S.

Manhattan, New York, 09/2020 - 05/2023