

# Omar Abbas Haque

774-259-2229 | [ohaque@umass.edu](mailto:ohaque@umass.edu) | [linkedin.com/in/omar](https://www.linkedin.com/in/omar) | [github.com/omar](https://github.com/omar)

## EDUCATION

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### University Of Massachusetts

*Bachelor of Science in Computer Science, Bachelor of Science in Mathematics*

Amherst, MA

*Aug. 2024 – May 2028*

## PROJECTS

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### Tech Support Assistant | *React, TailwindCSS, OpenAI API, Amazon AWS E2*

August 2024

- Developed a chatbot with the functionality to answer questions related to a specific company or organisation
- Implemented OpenAI API as the LLM
- Used React and TailwindCSS for frontend, deployed to Amazon AWS EC2 servers

### Professor Recommendation Chatbot | *Pinecone, React, MaterialUI, OpenAI API*

August 2024

- Developed a chatbot which recommends professors to the user based on criteria specified by them
- Used vector embeddings to search professor reviews from a JSON file and match user's criteria

### Color Palette Generator | *React, MaterialUI, Color Theory*

August 2024

- Developed a website to generate a color palette based on the user's choice of a primary color
- Website generates one complementary color, two triadic colors, and two analogous colors

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R

**Frameworks:** React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI

**Developer Tools:** Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

**Libraries:** pandas, NumPy, Matplotlib