

# Aalya Vora

917-624-8823 | [avora110@gmail.com](mailto:avora110@gmail.com) | [www.linkedin.com/in/aalya-vora/](http://www.linkedin.com/in/aalya-vora/) | [github.com/aalya2406](https://github.com/aalya2406) | [aalyavora.com](http://aalyavora.com)

## EDUCATION

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### University of Massachusetts Amherst

Amherst, MA

*Bachelor of Sciences in Computer Science and Economics, Minor in Business*

Aug 2021 – May 2025

Using & Programming with Data Structures, Programming Methodologies, Computer System Principles, Reasoning under Uncertainty, Introduction to Computation, Introduction to Algorithms, Theory Practice of Software Engineering, Introduction HCI, Principles of Data Science, Practice & Applications of Data Management, Game Theory

## EXPERIENCE

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### Alwrite: Software and AI Engineering Intern

June 2024 – Present

*Software Development*

Mumbai, India

- Developed an AI-based risk management system for commercial insurance, enhancing risk assessment by 20%.
- Analyzed images from over 10,000 commercial spaces using advanced machine learning, NLP techniques.
- Utilized AWS SageMaker for real-time model training, deployment, image processing and used OpenAI, Gemini

### Auxilo Finserve Private Limited: Data Analyst

July 2023 – August 2023

*Business Intelligence*

Mumbai, India

- Applied statistical techniques using NumPy, Pandas, SQL, and Python to analyze and interpret data
- Implemented and maintained databases, collecting live data from primary and secondary sources
- Cleaned and organized data for specific criteria, contributing to the team's comprehensive analysis of the dataset

### Digivridhdi Technologies Private Limited: Full Stack Developer

Jan. 2023 – Feb. 2023

*Software Development*

Mumbai, India

- Developed a full-stack web application using React, SpringBoot, and Spring Data JPA, building resilient solutions.
- Collaborated on cross-functional projects, with Java, SQL, CSS, and React to deliver efficient, scalable web apps.

### Undergraduate Research Assistant

Dec. 2023 – March 2024

*CICS Labs (URV Program)*

Umass Amherst, MA

- Explored AI technology's impact on educational websites and apps, aiming to maximize learning outcomes.
- Utilized AWS for real-time data collection and analysis, providing insights into AI's role in education.
- Collaborated with peers under the mentorship of a PhD advisor, gaining experience in research methodologies and contributing significantly to ongoing projects.

## PROJECTS

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### AI Chatbot | Python, Streamlit, PyPDF2, Pillow, pytesseract, Gemini API

July 2024 – Present

- Developed a web application for analyzing PDFs, text, and images using NLP and Gemini API.
- Integrated advanced text extraction, reducing manual data entry time by 30% and automating content processing.
- Dynamic features for file uploads, content querying, and chat history, enhancing real-time interactions

### CampusWire Analytics | Python, JavaScript, React, PostgreSQL, Java, MongoDB

August 2023 – Jan 2024

- Developed a full-stack analytics dashboard for CampusWire using JavaScript, Python, React, and Next.js, with MongoDB for the database and Vercel for deployment.
- Enhanced performance by 40% through caching functionality and managed the project with Git/GitHub and JIRA.

### Interactive Personal Portfolio Website | Python, HTML, CSS, JavaScript, React, Google API

June 2024

### Saar Jewellery | Netbeans IDE, JavaFX Scene Builder, CSS, Java, JavaScript, SQL, JDK1.8

May 2021 – Jan 2022

- Developed a full stack application for a jewellery business using Java, JavaScript and Netbeans
- CRUD operations, real-time gold rates for dynamic pricing, secure access and restriction for chosen employees
- Seamless email integration for direct communication application. Jfoenix-8.0.8, MySQL-connector-java, Mail

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, SQL, JavaScript, L<sup>A</sup>T<sub>E</sub>X, HTML/CSS

**Frameworks:** React, Node.js, Next.js, JUnit, Material-UI, NetBeans

**Developer Tools:** Git, VS Code, Visual Studio, PyCharm, Eclipse, MongoDB, Vercel, AWS SageMaker

**Libraries:** pandas, NumPy, Matplotlib, JDK, Jfoenix, MySQL Connector/J, Apache POI