

Aalya Vora

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EDUCATION

University of Massachusetts Amherst

Amherst, MA

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

Aug 2021 – May 2025

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

EXPERIENCE

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 data from primary and secondary sources
- Cleaned and organized data for specific criteria, contributing to the team's comprehensive analysis of the dataset

Digivridhi Technologies Private Limited: Full Stack Developer

Jan. 2023 – Feb. 2023

Software Development

Mumbai, India

- Developed a comprehensive full-stack web application using React, SpringBoot, and Spring Data JPA.
- Collaborated on cross-functional projects within a team, contributing to the successful implementation of efficient solutions.
- Utilized a diverse set of languages, including Java, SQL, CSS, and ReactUS, to build robust and scalable web applications.

Undergraduate Research Assistant

Dec. 2023 – Present

CICS Labs (URV Program)

Umass Amherst, MA

- Explored the potential developments in AI technology's impact on educational websites and apps, maximizing learning outcomes. Worked under the mentorship of a PhD advisor as part of the URV program.
- Contributed insights into the future of AI in education through in-depth research, data collection and analysis, collaborating with undergraduate peers within a team structure
- Gained valuable experience in research methodologies, making significant contributions to ongoing projects

PROJECTS

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

August 2023 – Present

- Developed a full-stack web application to create an analytics dashboard for a college class forum: CampusWire
- Used JavaScript, Python, React and Next.js for an interactive frontend, MongoDB for the database, Git/GitHub for version control, and JIRA for issue tracking and project management and even used Vercel, had scrum meetings
- Implemented caching functionality to eliminate redundant calls to improve performance by 50%

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

Languages: Java, Python, C/C++, SQL, JavaScript, L^AT_EX, HTML/CSS

Frameworks: React, Node.js, JUnit, WordPress, Material-UI, Netbeans,

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

Libraries: pandas, NumPy, Matplotlib, JDK, Jfoenix, Mysql-connector-java, Poi

OTHER INTERESTS

Entrepreneurial Pursuit, Sili Dry: Established Sili Dry, at <https://avora110.wixsite.com/website>, producing multi purposed moisture and odour absorbents. Originating from my experience as a soccer player combating smelly shoes, it evolved into a practical solution and business venture.

Production Coordinator, UVC-TV: Videographer: 2022-2023; Production Coordinator: 2023-present.