

AKSHAY KEERTHI AS

+1 (617) 792-6075 | adhikasavansuresh.a@northeastern.edu | [LinkedIn](#) | [GitHub](#) | Boston, MA

EDUCATION

Northeastern University | Boston, MA.

Expected May 2026

Master of Science, Computer Science

Relevant Coursework: Programming Design Paradigm (Java), Database Management Systems, Algorithms, Foundations of AI

SSN College of Engineering | Chennai, India

Sept 2020 - Mar 2024

Bachelor of Technology, Information Technology

Relevant Coursework: Advanced Data Structures, Algorithm Design and Analysis, Database Management Systems, Distributed Computing, Development and Operations (Devops), Cloud Computing and Virtualization, Principles of Software Engineering, Web Programming, Interactive System Design, Mobile Application Development

TECHNICAL SKILLS

Programming Languages/OS : Python, Java, C/C++, JavaScript, HTML, CSS, Windows, Linux

Cloud/DevOps Tools : AWS, Google Cloud, Azure, Firebase, Docker, Kubernetes

Databases : MySQL, MongoDB

Web Development Tools : AngularJS, Node.js, Express.js, Flask, Streamlit, Flutter, WordPress

Technical Tools : IntelliJ IDEA, VS Code, Git, GitHub, Jira, JUnit

Productivity & Office Tools : Microsoft Word, Excel, Outlook, and PowerPoint, Slack, Notion

Certifications : IBM Containers & Kubernetes Essentials, TVS Industrial Training of IoT Smart Devices

WORK EXPERIENCE

Lyzr AI | Member of Technical Staff

Jersey City, NJ

Mar 2024 – Aug 2024

- Collaborated on deploying **25+** Amabots (Ask Me Anything Bots) for YouTube A-list celebrities, utilizing OpenAI's LLM to enhance digital presence and boost fan engagement by **35%** through tailored conversational AI solutions.
- Launched **50+** Gen-AI Applications using the Lyzr SDK, Agent API, **Weaviate** and GPT-4 Turbo LLM, delivering tailored automation tools to enhance client's operational efficiency by **40%** across diverse industries.
- Worked on specialized chat agents for **15+** venture capital firms and corporate clients, leveraging **prompt engineering**, **BeautifulSoup** for metadata scraping, and API integrations to improve query resolution accuracy by **30%**.
- Published **50+** technical blogs and YouTube Videos on **Gen-AI Agents** and Lyzr Tools, boosting brand visibility by **20%**.

PROJECTS

Image Enhancement and Manipulation Tool | Java, OOD, JUnit

Nov 2024

- Created a **Java-based** Desktop tool using the MVC architecture, supporting **15+** image manipulation operations, synchronized with real-time histogram generation, and handling over **8+** image formats.
- Designed multiple interactive modes for user engagement, including a GUI using **Java Swing** and a CLI mode, while achieving **95%** code coverage through comprehensive testing using **JUnit**.
- Reduced **Iterative development time** by **20%** by applying SOLID principle and object-oriented design patterns.

Food Donation Tracking and Management System | Python, Flask, MySQL, HTML, CSS

Sept 2024

- Developed a **Flask-based** application with MySQL, enabling role-based workflows and improving process efficiency by **35%**.
- Designed a scalable **MySQL** database schema following CRUD principles for role-based data handling, integrated multiple triggers for notifications, expiration alerts, and for user activity logs, reducing manual intervention by **20%**.
- Built a responsive **HTML/CSS** frontend and integrated with **Flask** templates for dynamic intuitive user navigation.

Logistics Portfolio | MongoDB, Express.JS, AngularJS, Node.js, JavaScript

April 2023

- Developed a **Single Page Application** by utilizing **MEAN stack**, enabling access to **8+** services post client signup.
- Designed with **Figma** and implemented the frontend using **HTML, CSS, JavaScript, Bootstrap**, and **AngularJS**.
- Built a scalable backend using **Node.js, Express.js**, and **MongoDB**, optimized queries to reduce data retrieval time by **40%**.

Tute-Me App | Flutter, Firebase, Figma, Jira

Jun 2022

- Co-developed a cross-platform Tutor Finder Application using **Flutter** and **Firebase**, implemented **5+** core features that improved tutor visibility by **50%** and enhanced user engagement by **20%** using intuitive feedback systems.
- Utilized **Jira** for agile project management, enhancing team productivity by **35%** through sprints, epics, backlogs and workflows.