

Kautilya Miryala

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 [Linkedin](#) |  [Github](#)

Albany, New York- 12206, USA

EDUCATION

• University at Albany, State University of New York

Master in Computer Science , GPA: 3.79

Expected Graduation Date: May 2026

New York, USA

• Vellore Institute of Technology

Bachelor's in Technology , GPA: 3.56

May 2024

Bhopal, India

EXPERIENCE

• Plypicker

Jan 2022 - May 2024

Full Stack Developer

Pune, India

- Built a high-performance e-commerce platform using the MERN stack with scalable architecture and reusable components for faster feature delivery. Developed backend systems to support 1M+ daily transactions using async operations, rate limiting, and efficient data handling.
- Automated data migration from legacy systems to cloud, improving consistency and reducing latency by 40%.Optimized MongoDB schemas and indexing, improving query performance by 35% and reducing server costs by 15%.
- Ensured data integrity through automated testing and validation, resolving 15+ critical data issues in production workflows.

• Corporality

May 2021 - Dec 2021

Front End Developer

Sydney , Australia

- Built and deployed 8+ fully responsive web pages using React.js, achieving 100% mobile responsiveness and reducing front-end defect rate by 30% through modular architecture and reusable components.
- Converted 100% of Figma designs into pixel-perfect, cross-browser compatible UIs, improving visual consistency across 5+ device types and enhancing user retention by 20%.Implemented 10+ animated UI interactions using Framer Motion and CSS transitions, increasing user engagement metrics by 25% on key pages.
- Integrated 15+ API endpoints with Axios, handling complex state with Redux Toolkit and React Context, resulting in 40% faster data rendering and smoother user navigation.

PROJECTS

• Agro-Assist

Aug 2024 - Jan 2025

Tools: React, Flask, SQL, NumPy, Pandas, scikit-learn

- Developed Agro Assist, an integrated agri-tech platform using React.js, Node.js, and ML models, impacting 500+ potential users by providing features like crop disease prediction, fertilizer recommendation, and product marketplace.
- Engineered a real-time weather alert system using OpenWeather API, enabling 24/7 push notifications that helped farmers reduce climate-related crop damage by an estimated 30% through proactive decision-making.
- Designed and deployed a modular, scalable architecture with 90%+ accuracy ML models for disease prediction and fertilizer suggestions, improving yield optimization efficiency and reducing manual intervention by 50%.

• Serverless health tracker

Jun 2024 - Jan 2025

Tools: AWS Lambda , Lex , Polly , S3 , DynamoDB , Javascript , Bash

- Developed a hands-free health platform that improved response times by 30% and supported 500 concurrent requests, combining accurate medical data with seamless hospitality management.
- Incorporated event-driven processing using AWS Lambda to automate tasks like indexing patient faces with Rekognition. Integrated AWS SDK for seamless browser interaction with services.
- Piloted hands-free functionality, reducing average response time by 10 seconds for 90% of simulated emergency scenarios, improving usability for emergency responders focused on immediate patient needs.

• Work Venture

Mar 2023 - Jun 2023

Tools: React , Sprintboot , MongoDB , Junit , selenium , TailwindCss

- Developed an online hub connecting students, developers, and colleges worldwide, enabling collaboration on projects and event hosting.Built with React.js for frontend interactivity, Spring Boot with Java for backend services, and MongoDB for data storage, improving load times by 25%.
- Implemented JWT authentication, boosting privacy and security by 30%, and ensured code reliability through comprehensive JUnit testing, achieving over 95% test coverage.

SKILLS

C++, Java , Python , Javascript , React , Nodejs , Springboot , Redux , NoSQL , AWS , Data Structures and Algorithms , Selenium , Jest , Mocha , Agile Methodology , Docker , Kubernetes , CI/CD Pipelines

CERTIFICATIONS

• AWS Certified Cloud Practitioner

July 2023

• Google: The Bits and Bytes of Computer Networking

Mar 2024

• Blockchain Basics: The State University of New York

Dec 2021

ADDITIONAL INFORMATION

Languages: English (Fluent), Hindi (Fluent), Telugu (Fluent)

Interests: Research on Cloud Computing, Hackathons, Teaching, Book Reading