

AKSHARA BRUNGI

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CAREER OBJECTIVE

I am a Computer Science & Machine Learning student with a strong interest in building real-world products across software engineering, full-stack web development, AI/ML, and UI/UX design. Through internships, self-driven projects, and hackathons, I have gained practical experience developing and deploying end-to-end applications. I am seeking opportunities in Software Engineering, Full-Stack Development, AI/ML Engineering, and Product roles at product companies, early-stage startups, and growing tech firms where I can contribute to impactful products, grow rapidly, and take ownership of engineering challenges.

EDUCATION

CVR College of Engineering <i>B.Tech, Computer Science & Machine Learning CGPA: 8.2/10</i> Excellencia Junior College <i>Intermediate (MPC) 88%</i> VRS & VJ Residential School (CBSE) <i>Class X (CBSE) 90.4% (452/500)</i>	Hyderabad, Telangana 2023 – 2027 Hyderabad, Telangana 2021 – 2023 Hyderabad, Telangana 2021
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TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, SQL
Web Development: HTML5, CSS3, React.js, Tailwind CSS, Flask, REST APIs
Databases: MySQL
AI/ML: Machine Learning, Deep Learning, Computer Vision, scikit-learn, Pandas, NumPy
UI/UX Design: Figma, Wireframing, Prototyping, User Research
Tools: Git, GitHub, VS Code, Render
Core CS: Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks

TECHNICAL SUMMARY

Full-Stack Web Development & UI/UX: Hands-on experience designing and deploying full-stack web applications using React.js, Flask, and REST APIs. Skilled in building responsive, accessible UIs with Tailwind CSS and translating Figma prototypes into production-ready frontend components. Experienced in the full design workflow — user research, wireframing, high-fidelity prototyping, and usability evaluation — applying design thinking and user-centered design principles throughout.

AI / ML & Data Engineering: Experience applying machine learning algorithms, deep learning models, and computer vision techniques to build production-grade AI-powered applications. Proficient in data preprocessing, feature engineering, and model integration using scikit-learn, Pandas, and NumPy. Projects span intelligent recommendation systems, health analytics dashboards, and image steganography — each deployed end-to-end on cloud infrastructure.

PERSONALITY TRAITS

Problem-Solving | Design Thinking | Team Collaboration | Adaptability | Leadership | Communication | Self-Motivated | Quick Learner

PROJECTS

- Flavor Fusion — AI-Driven Recipe Recommendation Platform** [Live Demo](#)
- Built an AI-powered recipe recommendation platform using machine learning techniques to generate personalized recipes based on available ingredients.
 - Developed a Flask REST API backend and React.js frontend, integrating recommendation logic, ingredient filtering, and responsive user interfaces.
 - Tools:** Python, React.js, Flask, scikit-learn, MySQL, REST APIs, Figma, Render
- NutriSmart AI — Health Analytics Dashboard** [Live Demo](#)
- Developed an AI-powered nutrition analysis platform that provides calorie and nutrient insights through interactive dashboards and visualizations.
 - Implemented data processing pipelines using Pandas and NumPy and deployed the application using Render with REST API integration.
 - Tools:** Python, React.js, Flask, Pandas, NumPy, Data Visualization, REST APIs, Render
- My Study Life — Student Productivity Platform** [Live Demo](#)
- Designed and developed a productivity platform for task scheduling, deadline tracking, and academic planning.
 - Created end-to-end UI/UX workflows in Figma and implemented frontend and backend functionality for seamless schedule management.
 - Tools:** Python, JavaScript, HTML5, CSS3, Figma, Render
- StegaVision AI — Image Steganography & Security Tool** [GitHub](#)
- Built an image steganography application using OpenCV and Least Significant Bit (LSB) encoding for secure data embedding and extraction.
 - Developed a React.js interface to simplify image-based data security operations for end users.
 - Tools:** Python, React.js, OpenCV, Computer Vision

INTERNSHIPS

Inno Byte Services

Remote

Web Developer Intern (Full-Stack Development)

2024

- Built and delivered React.js frontend modules with Tailwind CSS, implementing a reusable component architecture and async API state management that improved cross-device UI consistency across the application.
- Integrated REST API endpoints into the frontend data layer, collaborated with backend developers on data contracts, and participated in code reviews and Agile sprint cycles throughout a 4-week engagement.
- Contributed to software engineering best practices including component documentation, OOP-based design patterns, and responsive web design for accessibility compliance.

The Student Spot

Remote

Growth & Innovation Intern

2024

- Led structured UX research — user interviews and heuristic evaluation — identifying 3 high-impact usability gaps that were incorporated into the next product sprint roadmap.
- Re-implemented frontend components in HTML, CSS, and JavaScript to align with design system standards, resolving visual inconsistencies and improving user experience across mobile and desktop platforms.
- Applied product thinking and data-driven analysis to support growth initiatives, contributing insights on user behavior to cross-functional discussions between design and engineering teams.

ACHIEVEMENTS

College Hackathon — 4th Place: Designed and demoed *Style Check*, a full-stack fashion recommendation prototype, competing against 15+ multidisciplinary teams under a timed technical challenge.

LeetCode — 100+ Problems Solved: Actively solving Data Structures & Algorithms problems across arrays, trees, graphs, and dynamic programming to strengthen algorithmic problem-solving and interview readiness.

Independent Product Builder: Independently conceptualized, designed, and deployed 4 production-grade AI-powered and full-stack applications end-to-end — demonstrating software engineering ownership, startup-level initiative, and full product development capability.

CERTIFICATIONS

Full-Stack Development (CCBP 4.0) — NxtWave

Artificial Intelligence & Machine Learning — Industry Certification

Deep Learning — Industry Certification

UX Design — Lloyds Banking Group

Strategic Experience Design — Boston Consulting Group (BCG)

Responsive Web Design — freeCodeCamp

CODING PROFILES

LeetCode — Active DSA practitioner; 100+ problems solved across arrays, trees, graphs, strings, and dynamic programming. Consistent practice to strengthen coding interview readiness.

GitHub — github.com/aksharabrungi — All 4 deployed projects are open-source with live demo links, source code, and documentation.

LinkedIn — linkedin.com/in/aksharabrungi — Active professional profile featuring project showcases, certifications, and internship experience.