

## Professional Summary

AI/ML Engineer and Full-Stack Developer with expertise in building scalable machine learning solutions, cloud-based AI applications, and end-to-end software deployment. Proven experience in designing and deploying production-level solutions, integrating AI models with real-time systems, and optimizing performance using data-driven insights. Currently enhancing back-end skills with Spring Boot while deepening applied AI research and real-world model deployment.

## Education

**Keshav Memorial Institute of Technology**  
*B.Tech in Computer Science Engineering (AI/ML)*

**Nov 2022 – Jul 2026**  
*CGPA: 8.08/10.0 (present)*

## Technical Skills

- Languages:** Python, Java, C, C++, JavaScript, Swift, Typescript.
- Web:** MERN Stack, Flask, FastAPI, Django, Next.js, HTML, CSS.
- Data Science & ML:** Model fine tuning, Hyperparameter tuning, Transfer learning, ANN, CNN, RCNN (NLP), Transformers.
- Cloud & DevOps:** AWS (EC2, Lambda, S3, CDK, CodePipeline, CloudWatch), Docker, Kubernetes, Jenkins, GitHub Actions, CI/CD.
- Databases:** MongoDB, MySQL, PostgreSQL.
- Tools:** VS Code, Git, GitHub, PyCharm, Xcode, Maven, Jenkins.

## Professional Experience

**Eventbrite** **Jul 2025 – Dec 2025**  
*Software Engineer Intern – Identity Team (Privacy & Attendee Mobile App)*

- Led resolution of 90+ authentication and authorization issues across web and iOS, including 30+ high-impact bugs and a large-scale abuse/spam incident, strengthening platform security and user trust.
- Drove reliability of identity flows by designing and fixing 20+ E2E tests (login, logout, password reset, email edit, role management), reducing flakiness in QA/Prod and catching regressions before release.
- Refined user experience for organisers and attendees by centralising and correcting error messages, tightening validation (including alignment with Auth0), and refining UI text, resulting in clearer, more intuitive authentication journeys.
- Reduced weekly URL-related failures by over 95% and fixed multiple edge-case issues (SQL errors, session handling, admin cookie on logout, Apple toggle in linked accounts), significantly increasing stability of core identity services.
- Introduced infrastructure-as-code for CloudWatch dashboards using CDK (with CI/CD integration and approvals) and instrumented key auth events with analytics, enabling better observability and data-driven decision-making.

## Projects

**SkillSage** (React, Node, Express, PostgreSQL, Docker, Web OS Application Development) **Team Project**

- Built and deployed an AI-based mock interview system with voice interactions and personalized questions from student data for 150+ users, improving interview preparation efficiency by 40%.
- Designed and shipped an interactive student-data visualization extension for LG monitor setups, enabling real-time performance tracking and cutting manual monitoring time by ~50% within a 2-week sprint.

**Breast Cancer Detection Using AI & VR** (MERN, Transformers, Deep Learning, Unreal Engine, Flask) **Team Project**

- Developed and trained an AI model to detect and segment breast cancer in ultrasound images/videos, integrating VR for immersive 3D analysis.
- Improved diagnostic accuracy by 30% by enabling real-time VR visualization of tumor structures for radiologists.

**Skill Forge** (MERN Stack, Vector DB, AI Tutor) **Personal/Team Project**

- Developed a full-stack learning management platform supporting PDFs, recorded videos, interactive quizzes, and assessments, delivering an end-to-end learning experience.
- Integrated an AI tutor backed by a vector database, personalized study plans, and gamified features (levels, XP, multiplayer quiz battles), increasing course completion rates by 35%.

## Achievements

- IEEE Conference Paper: “A Comparative Evaluation of Contextual and Statistical Text Representations in Deep Sequential Architectures for Multiclass Sentiment Classification”, Successfully Presented at ETCOM 2025
- Published Patent: “Classification & Segmentation of Breast Cancer in Ultrasound Imagery with 3D Visualization” (Patent Office Journal 26/2025, India).
- 1st Prize, Enginerd Hackathon (KMIT – Software & Physics) and MJCET Enginerd Hackathon; Finalist, HackXcelerate Hackathon (Microsoft & Bytex, CBIT).
- Utkrishti Puraskar at KMIT Awards Day (Mar 2025) for exceptional academic and outperforming 700+ peers.
- Featured in *The Hindu* for leading a community initiative impacting 150+ Families in rural Telangana; Certificates of appreciation from Saksham Telangana & Streetcause Hyderabad.

## Leadership / Extracurricular

**StreetCause KMIT**

*Community Outreach & Mentorship*

- Mentored 70 students and raised funds for village adoption projects near Bhadrachalam.

**Vachan (Speakers Club)**

*Orientation & Leadership*

- Delivered 2 orientation speeches in front of an audience of 1000 people.
- Coordinated and facilitated club events, ensuring seamless communication between 30+ members and leadership, resulting in improved event participation and streamlined operations.