

BABA GANDHI KANDAGATLA

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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, Engineerd Hackathon (KMIT – Software & Physics) and MJCET Engineerd Hackathon; Finalist, HackXcelerate Hackathon (Microsoft & Bytexl, 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.