

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 AI solutions, integrating ML models with real-time systems, and optimizing performance using data-driven insights. Currently enhancing back-end skills with Spring Boot while continuously expanding leadership and technical acumen.

Education

Keshav Memorial Institute of Technology

B.Tech in Computer Science Engineering (AI/ML)

2022 – 2026

CGPA: 8.21/10.0 (present)

Technical Skills

- Languages:** Python, Java, C, C++, JavaScript, Typescript.
- Web:** MERN Stack, Flask, FastAPI, 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), Docker, Kubernetes, Jenkins, GitHub Actions, CI/CD.
- Databases:** MongoDB, MySQL, PostgreSQL.
- Tools:** VS Code, Git, GitHub, PyCharm, Maven.

Professional Experience

Eventbrite

Jul 2025 – Dec 2025

Software Engineer Intern – Identity Team (Privacy & Attendee Mobile App)

- Designed and executed weekly test cases and unit test flows for the iOS attendee app, enhancing reliability of authentication flows.
- Implemented backend analytics dashboards to track multi-factor authentication (MFA) and identity events, enabling precise monitoring and reducing debugging time by 25.
- Resolved critical bugs and contributed to incremental feature development for identity and privacy components across mobile and web platforms, improving system reliability by 20.

SkillSage Projects

Mar 2024 – May 2025

KMIT — React, Node, Express, PostgreSQL, Docker, Web OS Application Development

- Created and implemented AI-based mock interview features (Project: *AI-Based Mock Interviews*, Feb 2025 – Jun 2025), integrating voice interactions and personalizing interviews using student data for 150+ users, improving preparation efficiency by 40%.
- Designed and deployed a visual student-data display (Project: *Interactive Web OS App Extension*, Mar 2024 – Apr 2024) for LG monitors, enabling real-time visualization and reducing manual monitoring time by 50% within a 2-week sprint.

Projects

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.

AI-Powered Telegram Assistant Bot (Python, MongoDB, Flask, Telegram API)

Personal Project

- Built a Telegram bot with AI chat, sentiment analysis, file processing, and real-time translation features.
- Tested with 20+ users, processed 100 queries, supported 3 languages, and reduced response time by 25%.

Skill Forge (MERN Stack, Vector DB, AI Tutor)

Personal/Team Project

- Created a learning management platform with PDFs, recorded videos, interactive quizzes, and assessments.
- Integrated an AI tutor with a vector database, custom study plans, and gamified elements (levels, XP, multiplayer quiz battles), boosting course completion rates by 35%.

Achievements

- 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).
- multiple IQAC recognitions; Top 10 in Hackathon (BVRIT) & Top 15 in Hackathon (t-Works, MGIT).
- 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 equivalent to 50 passes 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.