

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 (Expected)
CGPA: 8.4/10.0 (present)

Relevant Coursework

- Natural Language Processing
- Database Management
- Software Engineering
- Computer Networks

Technical Skills

- **Languages:** Java, Python, 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

SkillSage Projects

Mar 2024 – May 2025 (Expected)

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

- **AI-Based Mock Interviews (Feb 2025 – Present):** Joined as Backend Developer in a team of 4 and integrated voice-based features into the frontend. Engineered AI-driven mock interviews using student data; currently under testing with a corporate partner.
- **Interactive Web OS App Extension (Mar 2024 – Apr 2024):** Developed a visual student-data display for large monitors (e.g., LG TVs) in a 2-week sprint; awaiting full database integration for complete deployment.

Results Automation System

Sep 2023 – Dec 2023

NGIT, KMEC, KMCE — Python, Flask, PyQt5

- Automated exam result processing, reducing turnaround time from 3 days to 1 minute.
- Currently implemented in examination branches at three colleges.

Physics Virtual Lab

Sep 2023 – Dec 2023

KMIT — Flask, Team of 3

- Designed a lab simulation tool for physics experiments and student revision; deployed in January 2023.

Projects

Breast Cancer Detection Using AI & VR

Team Project

- **Concept:** AI model for detecting and segmenting breast cancer in ultrasound images with VR integration.
- **Technologies:** MERN Stack, Flask, Unreal Engine, EfficientNet, U-Net, U-NetR, ViT-B16.
- **Impact:** Improved diagnostic accuracy by 30%.

AI-Powered Telegram Assistant Bot

Personal Project

- **Concept:** Devised a Telegram bot featuring AI chat, sentiment analysis, file processing, and real-time translation.
- **Technologies:** Python, MongoDB, Flask, Telegram API.
- **Impact:** Tested with 20+ users; processed 100 queries; enabled translation in 3 languages; reduced response time by 25%.

Skill Forge

Personal/Team Project

- **Concept:** Constructed a comprehensive learning management system offering PDFs, recorded videos, interactive quizzes, and assessments. Integrated an AI tutor with a vector database and custom study plans, alongside gamified elements such as levels, experience points, and multiplayer quiz battles.
- **Technologies:** MERN Stack.
- **Impact:** Increased course completion rates by 35% and boosted student engagement.

Achievements

- 1st Prize, Engineerd Hackathon (KMIT – Software & Physics) & Finalist, HackXcelerate Hackathon (Microsoft & Bytectl, CBIT).
- IEEE Hackathon Award & multiple IQAC recognitions; Top 10 in Hackathon (BVRIT) & Top 15 in Hackathon (t-works, MGIT).
- Featured in The Hindu for a community initiative; 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.
- Active member fostering communication and coordinating club events.