

Dhanush K Gowda

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Education

Siddaganga Institute of Technology

Dec. 2022 – Jun 2026

Bachelor of Engineering in Computer Science-Artificial Intelligence and Machine Learning

Skills

Languages: Java, Python, Groovy, C++, JavaScript

Backend & Infra: Spring Boot, Apache Kafka, Redis, MongoDB, REST APIs, Event-Driven Architecture

Applied AI / LLMs: LangChain, LangGraph, PyTorch, Hugging Face, UnslothAI, RAG, Fine-tuning, Transformers

Web Development: React, Next.js, Express.js, Firebase

Tools: Git, Docker, Claude Code, VS Code, Google Colab

Experience

Hyperface

Jul 2026 – Present

SDE 1 Bengaluru, Karnataka, India

- Owned end-to-end delivery of new offer management features, taking requirements from design through production rollout in a fintech environment.
- Built a diagnostics dashboard to trace and surface why individual transactions were or weren't included in benefit calculations, improving debuggability for support and product teams.
- Improved reliability of the Kafka-based event pipeline by adding monitoring, retries, and dead-letter handling for offer processing workflows.
- Led performance tuning efforts across backend services, reducing API latency and optimizing Redis cache usage under increased production load.
- Resolved critical production issues and mentored incoming interns, reviewing pull requests to maintain code quality and engineering standards.

Hyperface

Jul 2025 – Jun 2026

SDE Intern Bengaluru, Karnataka, India

- Ramped up on the offer management system by writing unit tests across core modules, then progressed to fixing bugs and shipping enhancements.
- Built a capping system to enforce configurable usage/benefit limits on offers.
- Designed date-based computation configs to support time-bound offer logic and eligibility rules.
- Developed an enrollment system for offers using Groovy and Spring Boot, enabling users to opt into eligible offers.
- Implemented event-driven architecture with Apache Kafka for real-time offer processing and used Redis for caching and session management, improving system response times.

HackCulture

Apr 2025 – Jul 2025

SDE Intern - Frontend Bengaluru, Karnataka, India (Remote)

- Built the entire frontend from scratch in Next.js for a hackathon management platform connecting businesses and hackathon participants.
- Integrated the frontend with backend REST endpoints to support core platform workflows end-to-end.
- Designed a scalable, reusable component architecture to support authentication and real-time features.

CEDLabs Pvt Ltd

Mar 2025 – Jul 2025

SDE Intern Tumkur, Karnataka, India

- Built a data analytics dashboard for private electricity management, enabling centralized monitoring and reporting.
- Implemented file-based data ingestion pipelines to process and structure raw electricity usage data.
- Developed automated report generation, reducing manual effort in tracking and analysis.

4D Devs

Software Engineer (Freelance)

Jun 2024 – Jun 2025

Tumkur, Karnataka, India

- Built and shipped 3 production websites across hospitality, pharma, and retail domains — a hotel booking site, a pharma agency site, and an inventory management system for a clothing brand.
- Developed SEO-friendly, SSR/SSG-optimized web apps using Next.js and React for fast load times and search visibility.
- Designed inventory tracking and management workflows for the clothing brand client, handling stock, orders, and reporting.
- Delivered full-stack solutions end-to-end — from client requirements through deployment — ensuring cross-device compatibility.

Projects

ProtectHER – AI powered Women Safety App | *React Native, Flask, TensorFlow, Firebase*

[GitHub](#)

- Developed an AI-driven platform leveraging deep learning for real-time detection and reporting of safety threats.
- Implemented Voice SOS with wav2vec to analyze voice commands and detect distress through emotional cues based on 911 call dataset.
- Used TensorFlow for threat classification, triggering live location sharing with trusted contacts and emergency services.

LIL GPT-Implementation of Language Model from Scratch | *Python, TensorFlow, PyTorch*

[GitHub](#)

- Built a custom GPT-based language model by implementing transformer architecture and attention mechanisms in PyTorch.
- Trained the model on simple text corpus for context-aware text generation and used loaded GPT-2 weights.
- Implemented pre-training, post-training and inference model.

ZenAI – AI-Powered Personal Counselor | *React, Flask, LangChain, LangGraph, MongoDB*

[Live](#)

- Designed an advanced AI-driven mental health assistant leveraging LangChain to coordinate multiple AI models for real-time emotional support.
- Developed a multi-modal processing system incorporating wav2vec2 for voice emotion recognition and Face API for facial expression analysis.
- Implemented intelligent dialogue management using custom LangChain tools and Eleven Labs TTS for personalized interactions.

Leadership & Achievements

Team SARK, Technical Club of SIT

Jan 2023 – Jul 2026

Member

Siddaganga Institute of Technology

- Organized 3 technical events for 300+ students; led hands-on workshops
- 1st place, GenAI Hackcult 2024 | 3x top-3, Smart India Hackathon (2023, 2024)