# SHETTY KIRTHAN DINESH

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## ABOUT ME

I'm a tech enthusiast with a passion for exploring and learning emerging technologies. I enjoy building innovative solutions and constantly seek opportunities to expand my knowledge and skill set. Whether it's diving into new frameworks, experimenting with tools, or collaborating on projects, I'm always eager to grow and contribute in the dynamic world of tech.

## SKILLS

**Programming Languages :** Java, Python, JavaScript, C++, C

**Web Technologies :** React.js, Next.js, Node.js, Express.js, Figma, Flask, HTML, CSS

**Databases :** MongoDB, Firebase Realtime Database, Appwrite, SQL Databases

**Cloud & DevOps:** Docker, Firebase, Appwrite, Git, GitHub, Azure

## PROJECTS

### BrightPath (Frontend, Backend, and Data Management) github

- Led frontend and backend development of an interactive platform supporting children with autism.
- Engineered multilingual TTS integration using Gemini, optimizing speech delivery time by 30%.
- Managed structured data storage and retrieval, enabling real-time analytics for parent dashboards tracking 15+ metrics and increasing engagement by 40%.

### BIPro - Business Insight Pro (Backend Development and LLM Integration) github

- Designed and implemented backend architecture for a business intelligence platform processing CSV data.
- Integrated Large Language Models (LLMs) with Retrieval-Augmented Generation (RAG) using Llama 3.2 to enhance chatbot accuracy by 25% and response relevance by 28%.
- Built dynamic data visualizations using Streamlit, enabling clear trend insights through interactive flowcharts.

### StockGuru (Frontend and Backend Development) github

- Developed a full-stack application integrating SearXNG, LangChain, and Llama 3.1 for stock analysis.
- Built a custom frontend interface with modules for market overview, stock comparison, and live news aggregation.
- Implemented backend RAG-powered research chat for in-depth financial insights using Llama 3.1.

### EnviPro (React.js and Appwrite) github

- Developed an environmental impact analyzer using React.js, leveraging Appwrite's BaaS (Backend-as-a-Service) for optimized backend performance; project targets helping users reduce carbon footprint by up to 60%.
- Implemented AI-driven data analytics processing user-inputted energy/waste data to generate personalized impact reduction strategies.
- Engineered a real-time dashboard with interactive visualizations, utilizing Appwrite's real-time capabilities for efficient data synchronization and user experience.

## ACHIEVEMENTS

- **1st Place:** CODESPRINT2K25 - National Level Hackathon **certificate** — *Jan 2025*
- **2nd Place:** HACXERVE 2025 - National Hackathon **certificate** — *Feb 2025*
- **3rd Place:** FUSION TECHATHON **certificate** — *Nov 2024*
- **Track Winner:** HACKZ 24 - National Hackathon **certificate** — *Nov 2024*

## EDUCATION

**NMAMIT (NITTE UNIVERSITY), Karkala, Karnataka**

*B.Tech , Artificial Intelligence & Data Science* — *2022 – Present*
CGPA: 8.49

**POORNAPRAJNA PU COLLEGE, Admar, Karnataka**

*Pre-University , Science* — *2020 – 2022*
Percentage: 94.16%

**ST. AGNES ENGLISH HIGH SCHOOL , Mumbai , Maharashtra**

*High School* — *2008 – 2020*
Percentage: 76.2%