

Keerthana Guntur

B.Tech - (2021-25)

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Information Technology Major

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Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. IT	Manipal Institute Of Technology Bengaluru	7.5	2021-2025
Senior Secondary	TSBIE Board	85%	2019-2021
Secondary	CBSCE Board	8.0	2019

Experience

Machine Learning Intern | DRDO

Jun. 2024 – Jul. 2024

- Developed and integrated Large Language Models (LLMs) within ROS nodes to enhance robotic functionalities.
- Implemented communication protocols for seamless interaction between LLMs and ROS nodes.

IT Intern& BDA | Dream Ambassadors

Jan. 2023 - Present

- Worked closely with the IT team to address and resolve technical challenges, providing technical assistance and support for various projects.
- Assisted in website upkeep and content updates, collaborating with the web development team.
- Assisted in lead generation & client outreach by identifying potential students and corporate partners, and scheduling follow-ups to drive conversions.
- Supported

Supported marketing initiatives through social media campaigns, presentations, and content coordination to boost brand visibility.

Collaborated with the counseling & recruitment teams to streamline student database management and improve engagement tracking.

Ops&Sales Intern | Weekday.ai

Streamlined candidate shortlisting & outreach by managing end-to-end operations hiring pods, ensuring smooth workflow between candidates and clients.

Contributed to sales pipeline growth through cold outreach, follow-ups, and pitching Weekday's contingency hiring model to founders and recruiters.

Coordinated cross-functional tasks between operations, sales, and client success teams, improving turnaround time and candidate engagement.

Projects

- Integration of LLMs with ROS for Enhanced Robotic Functionality Apr. 2024 - Jul. 2024
Machine learning project Github
 - Implemented LLaMA-based LLMs on multiple Jetson Nano boards integrated with ROS, enabling sensor-driven decision-making and natural language instructions for robotic stability and control.
 - Leveraged ROS Pub-Sub architecture for distributed multi-node communication using sensors like gyroscope, LiDAR, and compass.

- Healthcare Chatbot System Jan. 2025 - Jun. 2025
AI/ML/NLP Github
 - Developed an AI-powered healthcare chatbot using Deep Neural Networks and Natural Language Processing to provide real-time, context-aware responses to health-related queries. Implemented features for symptom analysis, mental health support, and non-emergency guidance.
 - Integrated Flask-based frontend with a DNN-trained backend for accurate intent recognition and response generation. Ensured HIPAA-compliant data handling and incorporated user feedback for continuous performance improvement.

- College Prediction Android App April. 2023 - Jun. 2024
App Development Github
 - Developed an Android-based College Prediction App using Kotlin and Decision Tree ML models to suggest abroad universities based on user test scores and preferences. Trained the model on Kaggle data to classify institutions into acceptance probability categories across multiple countries and intakes.
 - Made using: Kotlin, Decision Tree, Datasets

- Laundry Service Database Management Sep. 2023 - Nov. 2023
Web Development Github
 - Built a web-based Laundry Management System with separate interfaces for admin and users using HTML, CSS, JS, PHP, and MySQL. Implemented secure login, task tracking, and order management with hashed passwords and student-specific constraints using relational database design.
 - Made using: PHP, HTML, CSS, Javascript, MySQL

Technical Skills

- Programming: Python, C(familiar), Java(familiar)
- Development: HTML, CSS, JavaScript(familiar)
- Databases: MySQL, MongoDB(familiar)
- CS Subjects: Data structures and Algorithms, OOPs concepts, Operating system, Computer Networks
- Tools: Git, Ubuntu, ROS, Databases

Positions of Responsibility

- Technical Head | Autonomous Robotics Club *Oct 2022 - Aug. 2023*
- Frontend Coordinator | FALAK - University Fest *May 2022 - Aug. 2023*
- Head of Promotions | Tech Solstice - Technical Fest
- Human Resources | PCB

Achievements

Research Paper on Zero Trust Architecture (Yet to be Published)

RESEARCH - Unraveling the Carbon Footprint: Exploring Lifestyle Factors and Emission Prediction for Sustainable Futures