

Abhineeth Babu

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EDUCATION

Indian Institute Of Information Technology, Design and Manufacturing

Bachelor of Technology in Computer Science — CGPA:7.29

Kurnool, AP

Sept. 2020 – Present

Chinmaya Vidyalaya

Higher Secondary — Percentage: 81%

Thrissur, KL

Jun. 2017 – May 2019

TECHNICAL SKILLS

Languages: C/C++, Python, SQL, JavaScript, HTML, CSS

Frameworks: React.js, Node.js, Express.js, MongoDB, Material-UI

Developer Tools: Git, Github, Docker, VS Code, Visual Studio, PyCharm, Atom

Libraries: Flask, Ajax, Pandas, NumPy, Matplotlib, STL, SMTPlib, OpenAI-Whisper, SpeechRecognition, pocketsphinx, Socket, pyAudio

INTERNSHIP EXPERIENCE

Software Development Intern, DRDO | RCI Hyderabad

Dec 2023 – Present

- Collaborating with the team on the AI-Assisted checkout mechanism, including contributing to GUI development for On Board Computer(OBC) systems using Qt.
- Gaining hands-on experience in implementing AI algorithms in the field of navigation and embedded systems.
- Associating with team members to contribute to project planning and execution.

PROJECTS

LABGuard: Remote Monitoring System | C++

Aug 2023 – Dec 2023

- * Engineered a Remote Monitoring System featuring a robust Service Discovery Protocol to facilitate seamless client-server interaction and optimize lab administration
- * Implemented a Dynamic Service Discovery Protocol, ensuring continuous broadcasting every 10 seconds for enhanced client-server interaction.
- * Ensured uninterrupted connectivity with strong error handling, allowing clients to adapt gracefully to server failures.
- * Implemented real-time threat response, enabling clients to detect and report suspicious activities, such as browser presence, and take immediate action by terminating identified processes.

IIITDM Connect | MongoDB, Express, React, Node, Material-UI, CSS

Dec 2022 – Apr 2023

- * A Full-Stack social media web application built from scratch using the MERN stack. Maintained the application with over 50+ active users.
- * Implemented User Authentication, real-time post creation, likes, dark/light mode, and profile management.
- * Incorporated a friend management system that enables users to add and connect with other users, fostering a sense of community and an increase in engagement.
- * Thoroughly tested the system with a user base of 53 individuals and a dataset comprising 112 posts to ensure robust functionality and performance.

LEADERSHIP EXPERIENCE

Lead

Aug 2022 – Present

Roohaniyat Music Club

IIITDM Kurnool, AP

- * led and coordinated the Music Club, Supporting a vibrant musical community with 20+ dedicated members while actively contributing as a lead vocalist.

Vice Captain

Feb 2022 – Nov 2024

Football Team

IIITDM Kurnool, AP

- * Served as the Vice Captain of the IIITDM Football team, overseeing a team of 11 starting players and 4 substitutes.
- * Contributed to team strategy development and fostered positive and friendly communication with team members to enhance synergy within the group.