

KETHAVATH KARTHEEK

Amberpet, Hyderabad, Telangana-500073

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PROFILE

<ul style="list-style-type: none">Motivated computer science student passionate about frontend development, UI/UX design, and building responsive web applications. Skilled in React and JavaScript, with a strong foundation in problem-solving from competitive programming in Java and Python. Focused on creating intuitive, user-centered interfaces and continually improving through real-world projects.		
<ul style="list-style-type: none">Keshav Memorial Institute of Technology B.Tech in Computer Science and Engineering (AI-ML) , CGPA : 7.45		2022-2026 Hyderabad, Telangana
<ul style="list-style-type: none">Narayana Junior College Intermediate (Physics,Chemistry,Maths), Percentage: 92.3		2020-2022 Hyderabad, Telangana
<ul style="list-style-type: none">Kendriya Vidyalaya Sangathan(CBSE) Secondary Education, Percentage: 88.4		2020 Miryalaguda, Telangana

SKILLS

Languages: Java, Python, C++, JavaScript
Frameworks: React.js, Express, Node.js, Bootstrap, Flask
Course Work: Data Structures and Algorithms, DBMS, Operating Systems, Object Oriented Programming, Computer Networks

PROJECTS

EAMCET College Predictor . (Python Flask Pandas HTML/CSS)	Source Code	Demo
<ul style="list-style-type: none">Developed a Python-Flask web application to predict suitable colleges based on user rank and category using TS EAMCET data.Parsed large CSV datasets with Pandas for efficient college prediction logic and dynamic filtering.Built a Flask backend with server-rendered templates, deployed on a lightweight stack.Designed a clean, intuitive UI ensuring smooth user interaction and data-driven responses.		
aiXinterview – Voice AI Interview Simulator (MERN Python Flask Vapi)	Source Code	Demo
<ul style="list-style-type: none">Created a full-stack AI interview platform simulating real-time conversations using voice input/output.Developed Python-based backend services for question generation, answer scoring, and feedback delivery utilizing the Gemini API.Managed users, interviews, and dynamic feedback with question-level analytics using MongoDB.Designed RESTful APIs to support real-time, multi-step user flows from interview initiation to personalized feedback.		

- Developed a real-time chat interface featuring a responsive UI and user-centric features such as image support and presence indicators.
- Implemented WebSockets to enable instant message delivery, read receipts, and real-time user activity updates.
- Ensured seamless data flow across chat windows and user sessions through Zustand for state management.
- Created a production-ready UI/UX optimized for all screen sizes using Tailwind CSS.

TECHNICAL ACTIVITIES

- **Developed a Video Summarizer Web App** at **CBIT Hacktoberfest Hackathon 2023** , organized by CBIT Open Source Community; generated concise summaries from YouTube videos using transcript analysis.
- **Achieved Top 30% on LeetCode** by consistently solving algorithmic and data structure challenges, demonstrating strong problem-solving skills.
- **Finalist at HASCKAVVY Hackathon** hosted by MGIT College; participated in a national-level competition, building and pitching innovative tech solutions under time constraints