



KARTHIK KOLAMURI

PERSONAL DETAILS

Current Location Andhra Pradesh
Date of Birth May 31, 2004
Male

EDUCATION

Graduation

Course B.Tech/B.E. (Computers)
College Sasi Institute of Technology and Engineering, Tadepalligudem,
Tadepalligudem
Score 8.6%

Schooling

	Class XII	Class X
Board Name	Andhra Pradesh	Andhra Pradesh
Medium	English	English
Year of Passing	2022	2020
Score	81%	85%

INTERNSHIPS

Aadi Foundation | January 2025 - February 2025

- Developed and maintained scalable backend features for web applications using Node.js and Express.js, ensuring efficient and secure RESTful API integrations. Implemented authentication systems with bcrypt for password hashing and express-session for session management, improving app security and user experience. Collaborated via GitHub, managing pull requests, resolving merge conflicts, and contributing to a clean codebase through proper branching strategies. Wrote and optimized custom middleware to handle request validation and centralized error handling, significantly reducing redundant code. Engaged in regular code reviews and daily stand-ups, contributing to an agile workflow and delivering assigned tasks within deadlines.

PROJECTS

Medicare | May 2025 - July 2025

- Featuring real-time chat, video consultations, role-based appointment booking, hospital bed availability, blood bank and donation camp locators (by blood group), doctor discovery by specialization, and a Second Opinion feature — empowering patients with accessible, secure, and comprehensive digital healthcare services. Integrated Stream Chat and Stream Video APIs to support secure, low-latency doctor-patient interactions, with session-based authentication and tokenized user access for privacy and reliability. Developed role-based access control RBAC for Admin, Doctor, and Patient users, ensuring secure access to features like appointment scheduling, live consultations, and treatment histories. Optimized backend architecture through efficient middleware, asynchronous workflows, and modular REST APIs to ensure responsiveness and scalability.

BlogNext | February 2025 - February 2025

- BlogNest is a MERN stack blog app with role-based access User/Admin), JWT and session-based authentication, and full CRUD for blogs and comments. It features a rich text editor, admin dashboard for moderation, and a secure password reset system. Engineered a complete password recovery flow integrated with SendGrid, including one-time token generation, expiration handling, and encrypted reset routes—cutting support dependency to zero in simulated test case Emphasized code quality and maintainability by adhering to MVC architecture.

Books Management System | November 2024 - November 2024

- What i have learned is...
1. the efficient way to make the functioning of that function.
2. how to manage the timings with respect to the academics

WORK EXPERIENCE

Aadi Foundation | January 2025 - February 2025

- Web Development Intern:Highlights of Web Development Internship at Aadi Foundation:

GET IN TOUCH!

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SKILLS

- Web Development
- Front End
- Node.js
- Express
- SQL
- MongoDB
- MongoDB Developer
- MongoDB Database
- MongoDB Database Administrator
- Fullstack Development
- Python
- GIT
- Github
- AWS
- DevOps

LANGUAGES KNOWN

English (Both)

CERTIFICATIONS

- NodeJS - The Complete Guide (incl. MVC, REST APIs, GraphQL)
- Technology Job Simulation
- Software Engineer certificate
- Full Stack Developer
- Complete Linux Training Course to Get Your Dream IT Job 2020

TEST RANKS

- JEE Mains : 18096

Full-Stack Web Development:

Built and maintained dynamic web applications using Node.js, Express.js, and MongoDB for the backend.

Secure Authentication Systems:

Implemented user authentication using bcrypt for password encryption and express-session for secure session handling.

Custom Middleware and Error Handling:

Developed custom middleware to manage authentication, validation, and error flows, improving overall system reliability.

API Design and Optimization:

Designed RESTful APIs with a focus on clean architecture, modular coding practices, and scalability for future enhancements.

Collaborative Development:

Contributed to live projects using GitHub, participated in real-time code reviews, pull requests, and team-driven feature sprints.

AWARDS AND HONOR

- Finalist in MSME Hackathon 3.0 and got funded 7 lakhs to design the working prototype

ACHIEVEMENTS

- My Project has been Selected by MSME in B.Tech/B.E.