

BHAVARAJU RAJ KOUSHAL

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LinkedIn — GitHub — Codolio

Professional Summary

Computer Science undergraduate seeking Backend / Full-Stack / SDE-1 opportunities. Hands-on experience building MERN stack applications, secure RESTful APIs, and real-time systems using Socket.IO. Strong foundation in data structures, databases, and backend development, with practical exposure to Docker and cloud deployment.

Education

Bachelor of Technology in Computer Science

Rajiv Gandhi University of Knowledge Technologies, Srikakulam

Sep 2022 – May 2026

CGPA: 9.0 / 10.0

Certifications: Deep Learning (NPTEL), Large Language Models (NPTEL), OOP Analysis & Design (NPTEL), Data Science with Python (NPTEL)

Technical Skills

Languages: JavaScript, TypeScript, Python, Java, C++

Frontend: React.js, Redux, Next.js, Tailwind CSS, HTML5, CSS3

Backend: Node.js, Express.js, RESTful APIs, JWT Authentication, Socket.IO

Databases: MongoDB, PostgreSQL, MySQL

Tools & Cloud: Docker, AWS (EC2, S3, IAM), Git, GitHub

Concepts: Data Structures & Algorithms, OOP, API Design, Authentication

Internship Experience

MERN Stack Developer Intern — Gradxpert, Hyderabad

Dec 2025 – Present

- Developing a full-stack internship management platform with user onboarding, payments, and admin workflows
- Designed PostgreSQL database schemas and implemented Redux for efficient state management
- Built secure RESTful APIs using JWT authentication and role-based access control
- Containerized and deployed applications using Docker on AWS for consistent deployments

Projects

Browser-Based Code Editor with Live Terminal

May 2025 – Jul 2025

MERN Stack, Docker, Socket.IO, MongoDB — GitHub

- Built a browser-based IDE enabling users to write, edit, and execute React applications
- Implemented real-time terminal access using WebSockets and Monaco Editor
- Used Docker containers to safely isolate and execute user code

PowerFolio – Portfolio Management System

Nov 2025 – Nov 2025

MERN Stack, Google Gemini API, Cloudinary — GitHub — Live Demo

- Developed a portfolio platform with user and admin dashboards secured by JWT
- Integrated Google Gemini API for AI-assisted content generation
- Used Cloudinary for optimized image storage and delivery

Real-Time Messaging Application

Feb 2024 – Mar 2024

MERN Stack, Socket.IO, Redux, JWT — GitHub

- Implemented real-time chat functionality using Socket.IO
- Built user authentication, profiles, and messaging features