

Bodarni Furqan

+91-9743967986 | bodarnifurqan07@gmail.com |  Portfolio |  LinkedIn |  LeetCode |  GitHub

Objective

Computer Science undergraduate with strong Object-Oriented Programming and Data Structures & Algorithms fundamentals, experienced building scalable full-stack web applications using React, Next.js, Node.js, RESTful APIs, and SQL/NoSQL databases. Passionate about building high-quality software in Agile environments.

Projects

DevPrep — AI-Powered Developer Interview Platform

 Live Demo | 

TypeScript, Next.js (App Router), Node.js, Judge0, Gemini API, Groq Whisper, pnpm Monorepo

- Built and maintained a scalable full-stack web application using React, Next.js, Node.js, and RESTful APIs, delivering responsive user experiences through modular Object-Oriented architecture.
- Engineered a voice interview feature using Groq Whisper (`whisper-large-v3`) and the Gemini API, integrating AI-powered transcription and structured interview feedback into a production-ready application.
- Designed reusable backend services and REST API routes while maintaining clean, maintainable code, modular architecture, and Git-based development workflows.
- Structured as a pnpm monorepo with Next.js App Router, owning the architecture from schema design through deployment.

Brainly AI — AI-Powered Second Brain

 Live Demo | 

TypeScript, Next.js, Node.js, PostgreSQL, Prisma ORM, JWT, pnpm Monorepo

- Built a cloud-native full-stack knowledge management system using Next.js, Node.js, PostgreSQL, Prisma ORM, RESTful APIs, and scalable backend architecture.
- Structured the codebase as a pnpm monorepo with shared TypeScript types, JWT authentication, and typed REST APIs consumed by the Next.js frontend.
- Designed the relational database schema, implemented efficient data retrieval, and independently deployed the application on Vercel and Railway.

Chat App — Real-Time Messaging System



Node.js, WebSocket (ws), TypeScript

- Built a real-time chat server using native WebSockets, implementing authentication, room-based messaging, connection lifecycle management, and scalable backend services.
- Developed the application without higher-level abstractions to strengthen networking fundamentals, debugging, and performance optimization skills.

Technical Skills

Languages: TypeScript, JavaScript, C++,

Frontend: React, Next.js, Tailwind CSS

Backend: Node.js, Express.js, RESTful APIs, WebSockets, JWT Authentication

Databases & ORM: PostgreSQL, MongoDB, Prisma ORM, SQL, NoSQL

textbfCloud & DevOps: AWS, Docker, Git, GitHub, Vercel, Railway

Achievements

DSA: 450+ problems on LeetCode · 550+ across platforms (C++) covering graphs, dynamic programming, trees, and binary search.

Self-taught: Independently learned monorepos, cloud-native application development, WebSockets, backend architecture, and modern full-stack software engineering through hands-on projects.

Education

Bachelor of Computer Applications (BCA) — Karnataka University, Dharwad
Shree Guru Sudhindra College, Bhatkal

CGPA: 8.14