Bhumika Naik

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GitHub
LinkedIn
GeeksForGeeks
Codechef
Leetcode

EDUCATION

KLE Technological University — 2022 —2026
Bachelor of Engineering in Computer Science — 9.14 CGPA — *Hubballi, Karnataka*

MES Chaitanya PU College — 2020 — 2022
Pre University — 90% — *Sirsi, Karnataka*

St Joseph's High School — 2020
Class 10 — 97.92% — *Karwar, Karnataka*

SKILLS

Programming Languages	C, C++,Java,JavaScript, Python
Tools & Platforms	Git, GitHub, Postman
Frameworks & Libraries	ReactJS, Recoil, Prisma,Express.js,Node.js, MongoDB, MySQL, PostgreSQL, Tailwind CSS
CS Core	Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems , Operating Systems, Computer Networks

WORK EXPERIENCE

Project Intern — Sep 2024 — Jan 2025
Knit Space (Certificate) — *Hubballi*

- Built a system to extract keywords and generate structured responses using NLP tools and BERT similarity.
- Created a Neo4j knowledge graph with BFS and cosine similarity for efficient query resolution.
- Applied meta-learning to adjust search rankings based on past user interactions.
- Improved personalized search through behavior analysis and dynamic result adaptation.

PROJECTS

User Query Response Segregation

- Developed a system for structured knowledge extraction and query-level response generation.
- Used KeyBERT, RAKE, SpaCy, NLTK with BERT similarity for keyword extraction.
- Built a Neo4j knowledge graph with BFS traversal and cosine similarity to optimize response generation.
- Generated multi-level responses based on query depth to improve relevance.
- **Tech**: Python, NLP, Neo4j, BERT, BFS

PrepMaster

- Built a web app for structured study plans from YouTube playlists with progress tracking.
- Implemented secure authentication using Google OAuth and JWT.
- Enabled seamless state management and database integration with Node.js, PostgreSQL (Neon DB), and Zustand.
- Designed an interactive user interface with React + Vite, including demo payment integration.
- **Tech**: React, Express.js, Node.js, PostgreSQL, Zustand, JWT

Interactive Quiz Application

- Developed a React-based quiz app with score tracking and answer review.
- Built modular components (Form, QuestionBox, Review, ScoreBoard) for a structured quiz flow.
- Implemented state management using React Context API for handling quiz progress and scoring.
- Added features like answer review and real-time score updates to enhance user interaction.
- Designed a clean, responsive user interface using React and CSS.
- **Tech**: React, Context API, CSS

ACTIVITIES

- Core Member at Words Worth English Club, KLE Technological University. — *Feb 2024 – Oct 2024*
- WIDS Datathon Challenge 2024 – Achieved a rank of 312. — *Apr 2024 – Jul 2024*
- Finalist, Bithunt 2.0 – Qualified for final round conducted by IIT Dharwad. — *Jan 2025*
- CodeClub Contest, KLE Technological University – Secured Rank 4. — *Oct 2024*
- Solved over 350+ problems across platforms like LeetCode, CodeChef, and GeeksforGeeks. — *Sep 2022 – Sep 2025*

CERTIFICATIONS

- Juniper Networks Certified Associate, Junos (JNCIA-Junos). — *Aug 2025*