

G Shreekar

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Summary

Software engineering student specializing in Computer Science (Data Science) with hands-on experience building full-stack web applications, real-time systems, and containerized services. Proficient in Python, C, JavaScript, Node.js, and React. Seeking a software engineering or research role to apply strong fundamentals in data structures, algorithms, and system design.

Education

BMS College of Engineering

Bachelor of Engineering in Computer Science (Data Science) — CGPA: **9.42 / 10**

Oct. 2023 – May 2027

Bengaluru, Karnataka

MES Chaitanya PU College

Pre-University (Class XII) — KCET Rank: **2083**

Jun. 2021 – Apr. 2023

Sirsi, Karnataka

Projects

n0te | React, JavaScript, Docker | github.com

- Developed a distraction-free, lightweight note-taking web application using React and JavaScript, focusing on minimal UI and fast load performance.
- Containerized the application with Docker, enabling consistent deployment across development and production environments.

CodeGalaxy | React, Node.js, Express.js, MongoDB (MERN Stack) | github.com

- Built a full-stack platform for sharing and discovering code snippets, implementing user authentication and snippet tagging.
- Designed and exposed RESTful APIs with Express.js and Node.js; stored and queried code snippets using MongoDB for scalable data persistence.

ChRoom | TypeScript, React, Firebase, Firestore | github.com

- Engineered a real-time chat room application with a type-safe frontend architecture using React and TypeScript, reducing runtime errors.
- Integrated Firebase Firestore for real-time data synchronization, enabling instant message delivery and live updates across all connected clients.

ladex | Rust, WebSockets, Peer-to-Peer (P2P) | github.com

- Designed a high-performance peer-to-peer file-sharing application in Rust, leveraging memory safety guarantees to eliminate data races.
- Implemented WebSocket-based signaling server to coordinate low-latency peer discovery and real-time communication between distributed clients.

Technical Skills

Languages:	Python, C, Java, JavaScript, TypeScript, Kotlin, SQL, R
Frameworks & Libraries:	TensorFlow, Scikit-learn, PyTorch, React, Node.js, Express.js
Databases:	MongoDB, Firebase Firestore, Redis, Postgres, CouchDB, Neo4j
Developer Tools:	Git, Linux, Docker, Firebase, Jenkins
Concepts:	RESTful APIs, WebSockets, Peer-to-Peer Networking, Data Structures, Algorithms

Certifications & Achievements

• Unisys Innovation Program (UIP) - Year 17 — One of 6 Finalists, Consolation Prize	Credential
• Solutions Challenge — Hack2skill	Credential
• End-to-End DevOps Lifecycle — BMSCE IEEE Student Branch	Credential
• Machine Learning using Python — Simplilearn	Credential
• Complete Python Programming for Beginners — Udemy	Credential
• Computer Networks Simplified — Udemy	Credential

Interests

Problem Solving and Algorithmic Thinking · Hindustani Classical Music · Photography · Traveling · Exploring Emerging Technologies