

Rishi Kumar S

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Education

Chennai Institute of Technology

Nov 2022 – May 2026

B.Tech in Computer Science and Business Systems

CGPA: 8.85

Experience

DoodleBlue Innovations

Nov 2023 – Dec 2023

Backend Developer Intern

Chennai, Tamil Nadu

- Robust backend systems using **MVC framework**, improving code modularity and reducing bug resolution time.
- Applied **microservices architecture**, scaling systems to handle more concurrent users with high uptime
- Spearheaded backend security enhancement by implementing **JWT-based authentication** and input validation, mitigating the potential security threats.

Projects

Bash-AI | Shell-Scripting, Ollama, CLI commands

github.com/Rishirk2107/Bash-AI

- Designed an AI-powered **Linux assistant** using **Ollama** for real-time command recommendations and execution.
- Created **dynamic model selection** (0.5B / 1.5B / 3B) based on available system RAM to optimize performance.
- Integrated secure and interactive CLI with **command confirmation** and error handling to ensure safe operations.

Contract Summarizing Chatbot | Next.js, FastAPI, LLM

github.com/Rishirk2107/Contract-Chatbot

- Devised a chatbot capable of **summarizing 500+ pages** of contracts easily within 3 minutes.
- Enabled information retrieval using **FAISS** with high accuracy, processing each document in seconds
- Combined FAISS and **Llama 3** to generate accurate responses from vast legal documents in under 5 seconds.

Cloud Storage Website | Load Balancing, Reverse Proxy

github.com/Rishirk2107/File-Sharing

- Implemented **load balancing** with **weighted round-robin** for efficient traffic distribution.
- Developed **reverse proxy** with route-specific load distribution and rate limiting.
- Enhanced security and performance with **authentication middleware** and rate limiting.

Achievements

- Finalist, Smart India Hackathon, 2023
- Winner, Contract Risk Assessment Hackathon
- Finalist, TN Police Hackathon, 2025
- GATE 2025 Qualified, 24.47 Marks
- Led a Web Development team for Symposium
- TCS Codevita S12 Round 1 Qualified

Coding Proficiency

- **Leetcode** - Solved **850+ problems** across topics, consistently achieving a **1700+ rating** in contests.
- **CodeChef** - Achieved a commendable **1230+ rating** through active participation in contests.
- **Codeforces** - Scored **700+ rating** in Div 3 and Div 4 contests, showing continuous improvement.

Certifications

- AWS Certified Cloud Practitioner, Amazon Jan 2025 - Feb 2025
- Generative AI with Large Language Models, Coursera Dec 2023 - Jan 2024
- Programming with Modern C++, NPTEL Sep 2024 – Nov 2024
- Cloud Computing, NPTEL Aug 2023 - Oct 2023

Technical Skills

Languages : JavaScript, TypeScript 5.6, Python 3.10, C++ 14.2, Java 21, HTML5

Frameworks : React.js 19, Node.js 20, Express.js, Next.js 13, FastAPI 0.112

Data & AIML: SQL, MongoDB, GenAI, Retrieval-Augmented Generation

DSA: Array, Linked List, Trees, Dynamic Programming, Backtracking

Tech Tools

- Git
- GitHub
- VS Code
- Vim
- Docker
- Jenkins
- Bash
- Linux
- MySQL
- Microsoft SQL
- Postgres SQL
- MongoDB Atlas
- Postman
- Firebase
- Supabase
- LangChain