SURYAPRAKASH V

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EDUCATION

Chennai Institute of Technology - Chennai   2022 - 2026
B.E. Computer Science Engineering (Cyber Security), Pre-final year   Current **CGPA: 8.91**/**10.0**

EXPERIENCE

Namuvi Private Limited - Backend Developer   Feb 2024 - Apr 2024
- Developed a **parsing system** to automate API requests for **e-commerce sites**,for item listings into a unified database.
- The parser streamlined the **product addition process by 40%** and improved **data consistency** across platforms.
- Optimized stock levels and reduced **stockouts by 25%** through the development of a **inventory management** system.

Gogosoon Private Limited - Full Stack Developer Intern   Aug 2023 - Dec 2023
- Developed a web app for **automated marketing** campaigns with AI integration, increasing **client acquisition by 15%**.
- Built a automated system for campaign creation, managing up to 10,000 leads and handling **5,000 requests** per minute.
- Optimized queries through indexing to cut data retrieval time from **500ms to 200ms**, improving **HTTP round trip** time.

Highbrow Dilegence Services - Full Stack Developer Intern   Apr 2023 - May 2023
- Developed auctioning API handling over **500 concurrent users**. Implemented **caching**, boosting server capacity.
- Optimized database queries to reduce **response time by 15%**, improving system performance and throughput.
- Enhanced API security by integrating **OAuth** for authentication and authorization, ensuring **secure data transactions**.

PROJECTS

Chat V3 | Express.js, Reach.js, Webscoker, Redis, Mongodb, Mongoose.
- Developed a chat application using WebSocket, React, Express, and PostgreSQL, enabling **real-time communication**
- Achieved instant message delivery with latency under **50ms**, supports over **200 concurrent users** without degradation.
- Optimized database interactions, resulting in a **40% reduction in server load** and improving message **retrieval time**.

Programming Language Surnix | Python.
- A Python-based programming language engineered with an **Abstract Syntax Tree (AST)** for efficient parsing.
- Incorporated advanced design patterns like the **Visitor Pattern** to facilitate modular code transformations.
- Implemented custom **error handling** mechanisms with AST, providing actionable feedback for developers.

Distributed File Storage | Golang.
- Developed a **distributed hash table (DHT)** in golang for data lookup, ensuring data integrity and **fault tolerance**.
- Implemented advanced data redundancy techniques for enhanced **reliability with 99.9 %** uptime.
- Utilized consistent hashing to distribute data and **minimize reorganization** and improving scalability

COMPETITIVE PROGRAMMING

Leetcode : Max rating - **1922** | Solved problems: **600+** | Top **6.65%** globally | Badges : **2** | Highest Rank : **464** in contest **355**.
Codeforces : Max rating - **1222** | Position: **Pupil** | Solved problems: **100+** | Highest rank **5569** in round **952** division 4.
Codechef : Max rating - **1623** | Position : **3 Star** | Highest rank **188** in contest **146** in division 3.
Global Rank Solved **40+** problems in **CSES** | Solved 15+ **Project Euler**.

TECHNICAL SKILLS

C&C++	TypeScript	Git	SQL	HTML
Redis	React.js	Golang	PostgreSQL	CSS
Python	Next.js	AWS	MySQL	Websocket
Bash	Express.js	Linux	Svelte	OOPS
JavaScript	Flask	Docker	MongoDB	Rust

COURSES

- CISCO - Cyber Security Essentials
- CISCO - Networking Essentials
- AWS   - Certified Cloud Practitioner
- ISC2   - Certified in Cyber Security
- NPTEL - Programming in c++

ACHIEVEMENTS

Microsoft Innovation Challenge- Awarded 2nd place for developing an AI solution to summarize legal documents.	2024
Smart India Hackathon - Achieved finalist status for a problem statement provided by **National Security Guards**	2024
Foss Hack - Awarded 1st Runner-Up for developing an innovative open-source project in a competitive hackathon.	2024
H@CIT (Codeathon) - Secured 3rd place in a campus-wide programming challenge, demonstrating relevant skills.	2023

VOLUNTEERING

Python Tutor for Juniors at Young Mind Coders - Taught Python programming to junior students.	2023
Conducted a workshop on **Tor and Tails OS**, emphasizing anonymity and freedom of speech.	2023
Served as the event lead **REvil Symposium**, organizing technical events with over 1100 attendees.	2023