Sanjai Kumar

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EDUCATION

KG
College of Arts and Science.
BSc in Computer Science
2020-2024 | TamilNadu, India
CGPA: 8.0

VIDYA VIKASINI
Matriculation Higher Secondary School.
2020 | TamilNadu, India

LINKS

Github:// **sanjai0py**
Leetcode:// **sanjai0py**
Twitter:// **@0xsanjai**

COURSEWORK

UNDERGRADUATE
Data Structures and Algorithms
Design and Analysis of Algorithms
Database Management System
Operating System
Computer Networks
Object Oriented Programming

SKILLS

PROGRAMMING
Experienced:
Python • Javascript • Nodejs
Intermediate:
C • MySQL
Familiar:
Firebase • Rust

EXTRAS
Experienced:
Problem-Solving • Team Collaboration
Interests:
Recreational Math • Continuous Learning
Familiar:
Adaptability to New Technologies

CERTIFICATES

The Bits and Bytes of Computer Networking, Coursera.

Introduction to Agile Development and Scrum, Coursera.

Introduction to Project Management, Coursera.

EXPERIENCE

NUNNARI LABS | Software Developer Intern
May 2020 - Present | Coimbatore, TamilNadu
- Developed robust backend APIs using Express.js, significantly improving the functionality and performance of the software.
- Leverage **Google Cloud Services** for the efficient deployment of customer APIs, ensuring seamless accessibility and user experience.
- Implemented data relations using **SQL**, enhancing the structure and integrity of the database.
- Utilized **PostgreSQL** for data storage, ensuring secure and efficient data management.

KGX | Student Lead + Open Source Contributor
May 2022 – 2023 | Coimbatore, TamilNadu
- Contributed to **open source** projects, enhancing my programming skills and understanding of software development.
- Mentored juniors, guiding them through their open-source contributions and fostering a learning environment.

PROJECTS

REAL-TIME CHAT APPLICATION
- Created a real-time chat application using **WebSockets**, enabling users to join and interact instantly.
- Utilized **Node.js**, **Express.js,** and **Socket.io** to build and manage the backend of the application.
- Developed a passion for **real-time** technologies, leading to an enhanced user experience.

YOUTUBE BACKEND SIMULATION
- Developed a simulation of YouTube's **backend**, gaining insights into complex, real-world systems.
- Built using Express.js as the server and Node.js for the backend, with **PostgreSQL** handling database management.
- Leveraged **Firebase** for user authentication to simulate secure user login and data protection.

LEETCODE TRACKER
- Designed and built a tracker for **LeetCode** problem-solving, promoting productivity within a friend group.
- Used Express.js and Node.js for the backend and Vanilla JavaScript for frontend functionality.
- The tracker encourages users to solve more problems through friendly competition and progress tracking.

EXTRA CO-CURRICULARS

- Actively serving as an Advisor for **Inaiyaviyal**, a forward-thinking **NGO** committed to fostering tech education among first and second-year university students.
- Providing **mentorship** to juniors at my college with a dedicated focus on enhancing their proficiency in backend technologies and problem-solving.