

B SUDHARSHAN

99332-44781 | bharathisudharshan348@gmail.com | linkedin.com/in/b-sudharshan/ | github.com/Sudharshan348
Sri Vijayapuram, Andaman and Nicobar Island - 744103

EDUCATION

Vellore Institute of Technology, Chennai

Bachelor of Technology in Computer Science and Engineering

Chennai, Tamil Nadu

2023 -- 2027

- CGPA: 8.95/10.0

Kamaraj English Medium School

Pre-University Education

Andaman and Nicobar Island

2023

- Grade: 94.3%

EXPERIENCE

National Informatics Centre (NIC), A&N State Unit

Software Engineering Intern

Sri Vijaya Puram, A&N Islands

May 2026 -- June 2026

- Engineered the "Dweep Bhoomi" Land Records Digitalization System, migrating manual revenue data entry to a secure, database-backed web application.
- Designed a responsive, split-screen user interface using Bootstrap and jQuery, incorporating robust error handling and transaction-safe asynchronous data retrieval.

PROJECTS

Code Runner | React, Node.js, MongoDB

github.com/Sudharshan348/Code-Runner

- Developed a remote code execution engine capable of safely compiling and running JavaScript, Python, Java, C++, C#, Golang, and Rust code snippets.
- Implemented a React-based frontend providing a seamless, browser-based IDE experience for users to write, submit, and view output of their code in real-time.
- Integrated MongoDB for persisting coding challenges, user submissions, and execution history, supporting a scalable competitive programming or educational platform model.

Ember Grants | React, TypeScript, Node.js, MongoDB, Solidity, Ethers.js, IPFS

github.com/Sudharshan348/Ember-Grants

- Built a decentralized micro-grant funding platform leveraging ERC20 governance tokens and ERC721 NFTs to democratize creative project financing.
- Developed smart contracts using Solidity and Hardhat for secure token-weighted voting, automated fund distribution, and a custom Proof-of-Contribution system.
- Engineered a full-stack application with a React/TypeScript frontend and Node.js/Express backend, utilizing MongoDB for off-chain storage and IPFS/Pinata for metadata.
- Integrated Web3 authentication using MetaMask and ethers.js, ensuring secure signature-based user verification and seamless blockchain interactions.

VManage | Next.js, TypeScript, MongoDB, Mongoose

github.com/Sudharshan348/VManage

- Built a comprehensive hostel management application featuring dedicated student and administrator dashboards.
- Implemented modules for room inventory, roommate profiling, and late entry tracking using Next.js App Router and TypeScript.
- Developed a robust issue and maintenance ticketing system, utilizing Mongoose models for structured data storage in MongoDB.
- Integrated an internal chat service and digital notice board to streamline communication between administration and students.

TECHNICAL SKILLS

Programming Languages : C++, C, Java, Python, TypeScript, HTML, CSS, JavaScript

Database Systems : MongoDB, MySQL

Web Technologies : Express.js, React.js, Node.js, Chart.js, TailwindCSS, Next.js

DevOps : Docker

Version Control : Git, GitHub

COMPETITIONS

Scribble Pad Hackathon

November 2024

Scribbler - Team Member

- Participated in the Scribble Pad Hackathon as part of a three-member team.
- Developed a voice-controlled quiz application that enables hands-free interaction for users.
- Implemented speech recognition to interpret user responses and navigate through quiz questions.
- Optimized real-time voice processing for accuracy and minimal latency.

COURSES AND CERTIFICATIONS

- IBM DevOps (Score: 97/100, Recognized for Exceptional Performance)

EXTRACURRICULAR ACTIVITIES

Event Managers Club

July 2024 -- May 2025

Workforce Team Member

Vellore Institute of Technology

- Assisted in organizing and managing events with 600+ attendees, ensuring decorum and discipline were maintained.