

D S CHANNAPPA

channarama.vercel.app | channarama.1si22cs049@gmail.com | +91 6364129299
LinkedIn | LeetCode | GitHub

EDUCATION

Siddaganga Institute of Technology <i>B.E. in Computer Science and Engineering</i>	2022 – Present CGPA: 8.76
The Master's PU College Tumkur <i>Pre-University Education</i>	2020 – 2022 Grade: 93.50%
Vivekananda Vidya Mandira <i>10th</i>	2020 Grade: 92.64%

TECHNICAL SKILLS

Languages: C, C++, JavaScript
Web Development: React.js, Express.js, Next.js, MongoDB, Hardhat
Tools: Postman, Git, Github, VS Code, vercel

PROJECTS

AgriConnector | *React.js, Node.js, Express.js, MongoDB, Solidity* [GitHub](#)
SIH Internal Hackathon Project

- Developed a **blockchain-based agricultural marketplace** ensuring **secure and transparent trade** between farmers and contractors.
- Implemented a **two-way trade system** where **farmers list crops** and **contractors post requirements**, including **seed/material provisions** for structured agreements.
- Integrated **escrow-based smart contracts** for **automated, condition-based payments**, ensuring **trustless transactions** and reducing disputes.
- Designed a **digital agreement and insurance system** to create **secure contracts** and **mitigate financial risks** for both farmers and contractors.

Supply Chain Management | *Next.js, TailwindCSS, Solidity, MongoDB, Hardhat* [GitHub](#)
CodeRed Hackathon Project

- Built a **dual blockchain-powered supply chain system** utilizing a **private blockchain** for secure manufacturer-supplier transactions and a **public blockchain** for transparent customer-warehouse tracking.
- Developed **smart contracts in Solidity** for **automated order processing, real-time tracking, and payment settlements**, reducing inefficiencies.
- Integrated **Next.js and Hardhat** to provide a user-friendly interface for managing supply chain operations with **tamper-proof data records**.

Blind Navigator | *React Native, YOLOv5, TensorFlow, TensorFlow Lite, Twilio, flask* [GitHub](#)
WIE Code Hackathon Project

- Developed an AI-powered **navigation app** for **visually impaired individuals** using **React Native** and **YOLOv5**.
- Integrated **real-time object detection** with **TensorFlow** and **TensorFlow Lite**, providing **audio cues** for navigation and obstacle detection.
- Implemented an **SOS emergency feature** where **vigorous shaking of the device** triggers an **automatic call and SMS with live location** to relatives and nearby authorities via **Twilio**.

ACHIEVEMENTS AND POSITION OF RESPONSIBILITIES

Secured **4th** place in the **SIH Internal Hackathon** among **40+** teams.
Top **7 Finalists** in the **CODE RED Hackathon (BMSIT)** among **500+** teams and **2,129** participants.
Class Representative (CR) of **3rd Year CSE - A Section**.