

D S CHANNAPPA

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LinkedIn | LeetCode | GitHub

EDUCATION

Siddaganga Institute of Technology <i>B.E. in Computer Science and Engineering</i>	2022 – Present <i>CGPA: 9.00</i>
The Master's PU College Tumkur <i>Pre-University Education</i>	2020 – 2022 <i>Grade: 93.50%</i>

TECHNICAL SKILLS

Languages: C, C++, JavaScript, Solidity,python
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](#)
1st Place –IICS INNOVTE Hackathon — 3rd Place – PES Mandya Hackathon

- 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

Our project **AgriConnector**, secured **1st place** in IICS INNOVTE Hackathon and **3rd place** in the PES Mandya Hackathon.

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.