

# Mahadeva Datta Mokkapati

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## EDUCATION

- **BMS College Of Engineering | BE in CSE (IOT)** Bangalore | **12/2022 –07/2026**  
GPA : **8.94**
- **Base PU College | Pre University Course (PCMC)** Bangalore | **06/2020 –03/2022**  
Percentage : **93%**

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## PROJECTS

- **Blockchain-based Real Estate Dapp:** Built with **Solidity** and **Hardhat**, this DApp uses **NFT-based property tokens** and an **escrow contract** involving buyer, seller, lender, and inspector roles. Designed the frontend with **React** and tested smart contracts using **Chai** and **Mocha**.
- **Smart Voter Application:** Built a secure backend using **Node.js**, **MongoDB**, and **JWT** authentication with **email verification** and **rate limiting**; enabled **user registration**, **vote casting**, and **results access**; deployed on **Render**.
- **Blockchain-Enabled Smart Water Allocation System:** Designed a smart water management system integrating **IoT sensors**, **ML models**, and **blockchain** to predict fertility scores and optimize agricultural water allocation. Implemented role-based workflows with automated motor control, using **Hyperledger Fabric** for immutable allocation records and **Cassandra** for scalable data storage.

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## Internship Experience

- **ArisInfra Solutions Ltd** Hybrid | **07/2025 – 12/2025**  
*Software Engineering Intern*
  1. Worked on financial data analysis using **SQL** and **Gremlin** to derive key business metrics, ensuring accuracy through validation and aggregation.
  2. Worked on an **n8n-based automation project** to streamline PO/SO creation from Excel inputs via internal APIs.

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## SKILLS

- **Programming:** Java, C, C++, Javascript
- **Web Development:** MERN Stack (MongoDB, Express.js, React, Node.js)
- **Databases:** SQL, MongoDB, PostgreSQL
- **Tools & Version Control:** Git, GitHub
- **Testing Frameworks:** Chai, Mocha

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## Achievements & Certifications

- Won Prizes in Coding and Maths Competitions
- Solved 400+ Questions on [Leetcode](#)