M.DILLI BASKER

Roll No.: 110823104015
Bachelor of Engineering
Computer Science and Engineering
Chennai,TamilNadu

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GitHub Profile
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Education

- **Jaya Engineering College, TamilNadu** *2023 – 2027*
  CGPA: 8.4/10 B.E. - Computer Science and Engineering (CSE)
- **St. Joseph's Higher Secondary School, Tamil Nadu** *2023*
  Marks: 418/600 Board of Secondary Education - Class 12

Technical Skills and Interests

Languages : C, Python, Solidity, Java, JavaScript, Rust, C++

Frameworks : React.js, Next.js, React Native, Flutter, Spring Boot, Tailwind CSS, Bootstrap, Hardhat, TensorFlow, PyTorch, Truffle, Django, Node.js, Express.js

Cloud/Databases : MySQL, AWS, Railway, PostgreSQL, MongoDB, Firebase

Soft Skills : Problem-Solving, Teamwork, Communication, Leadership, Time Management, Adaptability, Critical Thinking, Empathy, Attention to Detail, Resilience

Coursework : Data Structures and Algorithms, Programming Fundamentals, Cloud Computing Basics, Mobile App Development, Database Management Systems, Computer Networks, Operating Systems, Blockchain Development, Web Development

Areas of Interest : Web Development, Blockchain Development, Mobile App Development, Smart Contracts, Cloud Computing, Artificial Intelligence, Cybersecurity

Projects

- **AI Marketplace using Blockchain**
  Developed an AI model marketplace using Ethereum blockchain, allowing users to upload, buy, and sell AI models securely, with ownership and transactions recorded on the blockchain.
  – Tools & technologies used: Ethereum, Solidity, React.js, IPFS, Node.js, MongoDB, Ethers.js, Tailwind CSS
  – Created a decentralized platform for AI model uploads, with smart contracts to track ownership and transactions. Integrated IPFS for decentralized file storage and Ethers.js for blockchain interactions.
  – Implemented a user dashboard displaying model details and wallet integration for seamless purchases.

- **Decentralized Identity Verification**
  Developed a decentralized credential verification system using Ethereum blockchain, securely storing student details and graduation certificates, ensuring authenticity and preventing fraud.
  – Tools & technologies used: Ethereum, Solidity, React.js, IPFS, Node.js, Express.js, MongoDB
  – Implemented smart contracts to record student credentials on the blockchain and store graduation certificates on IPFS. Developed a React.js interface for credential verification.
  – Ensured the integrity of the stored credentials using cryptographic hashes, preventing data tampering and ensuring the system's security.

- **College Mobile App for Attendance**
  Developed a mobile application for managing college attendance, integrating features for marking attendance, viewing reports, and managing student data. The app also provides notifications and updates on attendance status.
  – Tools & technologies used: React Native, Node.js, Express.js, MongoDB, Firebase, Google Maps API
  – Developed a mobile app that allows students to mark their attendance and view daily reports. Integrated Firebase for real-time data syncing and MongoDB for database management.
  – Implemented Google Maps API for location-based attendance marking and integrated a notification system for updates on attendance status.

Positions of Responsibility

- **Hackathon Team Leader, National-Level Hackathons**
  Led a team of 4 members; handled project architecture, task management, and pitching.
  – Coordinated team efforts to design and develop a blockchain-based solution.
  – Pitched the project to judges, securing top ranks in the hackathon.

- **Open Source Contributor, Ethereum Web3 Projects**
  Contributed to DApps and NFT marketplace repositories on GitHub.
  – Submitted 15+ pull requests to improve smart contract efficiency and security.
  – Collaborated with global developers to enhance project functionalities.

- **Coding Club Organizer, College Coding Club**
  Organized coding contests, workshops, and project sessions for 100+ students.
  – Designed and conducted 5+ coding contests to enhance problem-solving skills.
  – Facilitated workshops on algorithms, data structures, and competitive programming.

Achievements

- **Top Contributor – Ethereum Open Source Projects**
  Enhanced smart contract functionality and security for Ethereum-based DApps. Contributed 20+ merged pull requests on GitHub across multiple open-source repositories.
  – Contributed to multiple Ethereum-based DApp codebases, enhancing gas efficiency and adding security fixes.
  – Collaborated with maintainers to improve code structure, add unit tests, and optimize Solidity smart contracts.

- **Published Research – Blockchain Credential Verification**
  Published a research paper on decentralized academic credential verification using Ethereum and IPFS, providing a tamper-proof certification system.
  – Proposed and implemented a smart contract-based system for storing academic data securely on-chain.
  – Paper published in [Journal/Conference Name]; addressed issues of data integrity, privacy, and authentication.

- **President – College Blockchain Club**
  Led a college blockchain club of 50+ members, driving education, innovation, and networking through events, workshops, and hackathons.
  – Organized 10+ workshops on blockchain, smart contracts, and Web3 tools.
  – Facilitated 2 intra-college hackathons and built partnerships with industry experts and alumni.