

# Aishwarya A

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## OBJECTIVE

Driven Computer Science student with hands-on experience in full-stack development using JavaScript, React, Node.js, and MongoDB. Enthusiastic about building responsive web apps and exploring new technologies through real-world projects.

## SKILLS

- **Programming Languages:** Python, C, Java
- **Web Technologies:** HTML, CSS, JavaScript, ReactJS, NodeJS, TailwindCSS, ExpressJS, Flask
- **Database Systems:** MySQL, MongoDB
- **Computer Science Fundamentals:** Data Structures & Algorithms, Operating Systems, Computer Networks, OOP
- **Other Tools & Technologies:** Git, GitHub, AWS

## EDUCATION

- **Bangalore Institute of Technology** 2022 – 2026 (Anticipated)  
*Bachelor of Engineering in Computer Science and Engineering* Bangalore, India
  - GPA: 8.66 (current)
- **SLV Pre-University College** 2020 – 2022  
*Pre-University Education in PCMB* Chitradurga, India
  - Aggregate Percentage: 95%

## PROJECTS

- **Expense Tracker: Personal Finance Management Web App**  
*Tools: React.js, Context API, JavaScript, HTML, CSS*
  - Built a responsive web application for tracking income, expenses, and balance with real-time updates and clean UI.
  - Managed global state efficiently using React Context API to enable seamless transaction addition and deletion.
  - Developed modular components and interactive forms with React hooks, improving usability and maintainability.
  - Designed a device-compatible interface with intuitive controls for easy navigation and financial data visualization.
- **Organ Donation & Procurement System : A Web app for managing organ donation workflows**  
*Tools: HTML, CSS, Flask, MySQL*
  - Developed a comprehensive web-based platform to streamline donor registration, patient management, and organ matching.
  - Implemented Flask framework for back-end logic and CRUD operations, improving workflow automation.
  - Designed and integrated a MySQL database to manage complex relationships and ensure efficient data retrieval.
  - Built user-friendly interfaces and admin tools for different stakeholders including hospitals and coordinators.
- **CarConnect: Peer-to-Peer Carpooling Platform using Blockchain**  
*Tools: Solidity, Ethereum, Ganache, Remix IDE, Web3.js, HTML, CSS, JavaScript*
  - Developed a decentralized carpooling system using Ethereum smart contracts to eliminate third-party dependency and enhance data transparency.
  - Implemented smart contracts in Solidity and deployed them using Remix IDE and Ganache to manage user data, ride requests, and transactions.
  - Integrated Web3.js to enable seamless frontend-to-blockchain interaction, allowing users to register, log in, and book carpools using blockchain addresses.
  - Ensured secure, immutable, and transparent ride-sharing transactions by leveraging Ethereum blockchain features and local testing via Ganache.

## ACTIVITIES

- **Graphic Designer – Rotaract Club** Sep 2023 – Present  
*Bangalore Institute of Technology*
  - Designed digital creatives for events and contributed to the club's outreach and branding.
- **Hackathon Participation** July 2024  
*Product Prototyping & Ideation Challenge*
  - Built *Cabio* (Startathon) and *FarmDirect* (Webathon) prototypes focusing on service access and farm efficiency.

## ADDITIONAL INFORMATION

**Languages:** English, Kannada, Hindi

**Interests:** Graphic Design, Coding, Lawn Tennis