

GOPICHAND GUGULOTH

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Education

Bachelor of Technology in Computer Science and Engineering

Aug 2023 – May 2027

Indian Institute of Information Technology, Kottayam, Kerala

Relevant Coursework: Data Structures, Algorithms, Database Management Systems, Operating Systems

Summary

Undergraduate CS student with expertise in full-stack development (MERN) and 500+ DSA problems solved. Proven ability to build scalable applications like the Second Brain knowledge management platform. Passionate about optimizing solutions through efficient algorithms and clean code.

Soft Skills: Leadership, Problem Solving, Adaptability, Time Management, Collaboration

Technical Skills

- **Languages:** C, C++, Python, JavaScript (TypeScript)
- **Frontend:** React.js, Tailwind CSS, Responsive Design
- **Backend:** Node.js, Express.js, REST APIs, JWT Authentication
- **Databases:** MongoDB (CRUD, Indexing), SQL
- **Tools:** Git, GitHub, Docker (*Basic*)
- **Concepts:** Data Structures, Algorithms, OOP

Projects

Second Brain App – *Personal Full-Stack Project*

GitHub — **Live Demo**

- Built a knowledge management platform with **50+ active users**, reducing information retrieval time by 40% through MongoDB query optimization.
- Implemented JWT authentication and OAuth 2.0, securing user data with encrypted sessions.
- Designed a responsive UI with React + TypeScript and Tailwind CSS, achieving 95% Lighthouse accessibility score.
- Integrated YouTube/Twitter APIs for embedded content sharing, increasing user engagement by 30%.

Streamline Upload – *Video Collaboration Platform for YouTubers and Editors*

- Developed a full-stack MERN application enabling YouTubers to connect with video editors and send raw footage securely.
- Implemented real-time video exchange and chat functionality, ensuring smooth collaboration between creators and editors.
- Added seamless re-upload capability, allowing editors to send back the edited video for review and feedback.
- **Integrated YouTube Data API for direct video publishing, eliminating manual upload steps and saving significant time and storage.**
- Enforced role-based access and authentication using JWT and protected API routes, ensuring data integrity and user privacy.

Achievements

- **LeetCode:** 500+ problems solved (**Top 15%** contest rating), **GeeksforGeeks** 100+ solutions.
- **Codeforces:** Expert (1600+ max rating), achieved **Top 500** in Div. 2 contests.