

Surya K

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Summary

Driven Computer Application student with a strong passion for full-stack development and AI integration. Continuously learning and building practical skills in modern web technologies and intelligent system design. Curious, adaptable, and eager to explore new tools and innovations in the tech industry. Committed to delivering efficient solutions and growing as a versatile developer.

Education

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| • SRM Institute of Science and Technology (IST) | Chennai, India |
| Bachelor of Computer Application | 2023 – 2026 |
| • La Chatelaine Junior College | India |
| Senior Secondary (XII) - CBSE; Percentage: 76.20% | 2022 – 2023 |
| • La Chatelaine Junior College | India |
| Secondary (X) - CBSE; Percentage: 62.20% | 2020 – 2021 |

Skills Summary

- **Languages:** HTML, CSS, JavaScript, TypeScript
- **Frontend:** React.js, Tailwind CSS, Next.js
- **Backend:** Node.js, Express.js, REST APIs
- **Database:** MongoDB, Firebase
- **Tools:** Git, GitHub

Personal Projects

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| • Bundle – Project Management Platform: Next.js, TypeScript, Firebase, Tailwind CSS, AI Integration | Jan 2026 |
| ○ Multi-project workspace with role-based access and team collaboration | |
| ○ Real-time updates, activity feed, and notifications using Socket.IO | |
| ○ GitHub integration for commit tracking via webhooks | |
| ○ AI task assistant for smart assignments and deadline suggestions | |
| ○ Priority-based task management with status tracking and progress views | |
| ○ Automated monitoring and alerts for deadlines and overdue tasks | |
| • Copy-Video Summarizer: React.js, AI Integration, RAG | Feb 2026 |
| ○ Summarizes YouTube videos in short, detailed, and full explanation modes | |
| ○ RAG-based chat system for context-aware Q&A grounded in video transcripts | |
| ○ Timestamped highlights for quick navigation and key moment reference | |
| ○ Automatic mind map generation for visual learning and concept revision | |
| ○ Exportable summaries for notes, sharing, and offline use | |
| • College Advisor Website: HTML, CSS, JavaScript, Gemini API, Bland AI | May 2025 |
| ○ Collects student marks and college preferences | |
| ○ Uses Gemini API for personalized college recommendations | |
| ○ AI voice-call feature for real-time guidance | |

Achievements

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| • 1st Place – Smart India Hackathon | Dec 2025 |
| Developed an AI fitness coaching app with live interaction, nutrition tracking, and AI messaging/calling features. | |
| • 1st Place – Mind Over Machine AI Hackathon | Dec 2024 |
| Built an AI-powered finance tracking web app with personalized expense insights. | |

Certifications

- Introduction to MongoDB for Students
- MongoDB Basics for Students