

Sanskar Kumar Agrahari

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PROFILE SUMMARY

A dedicated Computer Science student with a strong commitment to continuous growth and mastering new skills primarily focus on web development, coupled with a keen interest in exploring diverse domains of computer science. Passionate about leveraging technology to solve complex problems and eager to contribute to innovative projects.

EDUCATION

Amrita Vishwa Vidyapeetham, Bengaluru, India <i>B.Tech Computer Science and Engineering</i>	June 2026 <i>Current CGPA: 9.0/10.0</i>
Arniko Awasiya Higher Secondary School, Biratnagar, Nepal <i>Higher Secondary School</i>	May 2020 <i>CGPA: 3.45/4.0</i>
Mahendra Memorial Academy, Duhabi, Nepal <i>Secondary School</i>	April 2018 <i>GPA: 3.70/4.0</i>

SKILLS

Languages: Java, JavaScript, C
Database: MySQL, MongoDB
Frameworks: React, Node.js, Tailwind CSS
Tools: Eclipse, Git/GitHub, VS Code, Canva, Agile, Scrum
Soft Skills: Leadership, Team Management, Communication, Teamwork

EXPERIENCE

Tayari24, Remote	May 2025 – July 2025
<ul style="list-style-type: none">Worked on developing and enhancing frontend web pages using React.js and Tailwind CSS, focusing on responsive design and performanceCollaborated with backend teams and integrated REST APIs to ensure seamless user experience across multiple platforms	

PROJECTS

Routing and Scalability Enhancements in Mobile Ad Hoc Networks	Oct. 2024
<ul style="list-style-type: none">Analyzed the performance of MANET routing protocols (DSR, AODV, OLSR, DSDV) using NS-3 simulationIdentified DSR as the most efficient for high data transmission rates in diverse environmentsPerformed an analysis of routing protocols to determine their strengths and weaknesses based on packet receive rates and scalability	
College Club Management System <i>React, Node.js, MongoDB, Express.js, Tailwind CSS</i>	Sept. 2023
<ul style="list-style-type: none">Developed a club management system with separate panels for mentors, office bearers, and studentsManaged user roles, permissions, event tracking, and member interactionsEnabled efficient administration and communication within clubs	
From Coins to FSMs: A User-Centric Vending Machine Design With Interactive UI	June 2024
<ul style="list-style-type: none">Designed a vending machine prototype with five snack options each of different pricesUtilized the concept of Deterministic Finite Automata (DFA) for state controlBuilt an interactive UI with HTML, CSS, and JavaScript to visualize machine states	

CO-CURRICULAR ACTIVITIES

CodeChef, Competitive Programming Club <i>Executive Member</i>	June 2023 – Present
Involved in the club centered around Competitive Programming	
Quiz Club <i>Vice-President</i>	June 2024 – Present
Managed and coordinated various quiz events	

ACHIEVEMENTS

Chancellor Scholarship, Amrita Vishwa Vidyapeetham	2022
Awarded a full tuition waiver for academic excellence.	
Finalist, Electronica 2K23 Hackathon	May 2023
Participated in an overnight IoT-based hackathon by ECCF and reached the finals.	

CERTIFICATIONS

Responsive Web Design freeCodeCamp.org	Sept. 2023
JavaScript Algorithms and Data Structures freeCodeCamp.org	August 2024