

Sanjay V V - M.Sc Decision and Computing Sciences

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PROFILE

Aspiring software developer with a keen interest in website and app development. Eager to apply coding skills and learn new technologies to create innovative and user-friendly digital solutions.

EDUCATION

M.Sc Decision and Computing Sciences - Coimbatore Institute of Technology 11/2021 – 05/2026
CGPA: 8.4 (Till Sem 7)

Higher Secondary Certificate, Vikas Vidyalaya 2020 – 2021 | Tiruppur
Percentage - 84%

PROFESSIONAL EXPERIENCE

Ace Assured, Digital marketing Intern 07/2024 – 11/2025

- Increased client visibility by 45% through strategic Google My Business optimization and on-page SEO techniques
- Generated 1,000+ qualified leads monthly via highly targeted Meta ad campaigns on Facebook and Instagram
- Improved LinkedIn and YouTube engagement by 60% using data-backed content planning and performance analysis

ROLES AND RESPONSIBILITIES

Internship Coordinator - Coimbatore Institute of Technology 06/2025 – present

- Organized industry networking events with 300+ attendees, connecting students with employers
- Executing market research initiatives analyzing internship trends across 15+ industries to optimize program offerings

Student Advisor - 403 Strategists 06/2024 – 04/2025

- Mentored 25+ students in leadership development across student organizations.
- Achieved 95% event success rate through structured planning and risk management.
- Increased membership by 40% via strategic recruitment and engagement initiatives.

Head of Internal Affairs - Datalytics Club 06/2022 – 03/2023

- Conducted 48+ weekly team meetings maintaining consistent project alignment
- Implemented 15+ improvement initiatives increasing operational efficiency by 30%
- Executed 12+ events with 95% on-time delivery and 120+ average attendance

AREAS OF INTEREST

Website development | Database Management | Frontend Engineering | Backend Engineering

TECHNICAL SKILLS

- **Languages** - Python, Java, SQL, R, Flask
- **Concepts** - Advanced Data Structures and Algorithms, OOP, Cloud Computing, Web Development
- **Database Management** - Oracle, MySQL
- **Web Development** - HTML, CSS, JavaScript, Next.js
- **Tools** - VS Code, Jupyter Notebook, Power BI

SOFT SKILLS

- Observation
- Decision-making
- Communication
- Multi-tasking

PROJECTS

Struct Assist, (*Next.js, TypeScript*) [🔗](#) 03/2025 – 06/2025

- Developed a data structure-based application to help users interpret and understand core concepts interactively.
- Visualized 15+ data structures and algorithms with real-time animations, improving learning efficiency by 40%
- Enabled step-by-step interaction for operations like insert/delete/traverse across trees, graphs, queues, and more

Poker Application, (*Next.js, TypeScript, MySQL*) [🔗](#) 02/2025 – 04/2025

- Developed an interactive poker game simulating Texas Hold'em, with AI opponents and a game-theory-based recommendation engine
- Engineered real-time strategic suggestions using Nash equilibrium, EV analysis, and pot odds, improving decision accuracy by 60%
- Designed a scalable backend with MySQL to store player stats, game history, and action outcomes
- Implemented intelligent AI players (aggressive, passive, balanced), enhancing gameplay complexity and Flexibility

Traffic Simulation, (*Next.js, TypeScript, Sqlite*) [🔗](#) 01/2025 – 04/2025

- Built a Fast-paced traffic simulation system using Dijkstra's, Merge Sort and Multistage Graph, optimizing vehicle pathfinding and signal timing
- Modeled urban road networks as weighted graphs and visualized real-time traffic across 10 intersections
- Simulated real-time traffic to optimize routes and signals, reducing delays and improving flow.

PARTICIPATION

Electrathon - Coimbatore Institute of Technology 03/2023

- Analyzed disaster response challenges to identify areas for technological intervention.
- Arranged an user-friendly features to facilitate communication between emergency responders and affected populations.
- Directed a scalable framework to ensure the software adapts to diverse disaster scenarios.
- Proposed real-time data integration for better situational awareness during emergencies.