

ASHWITHA C

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PROFILE

Full-Stack Developer with experience building and deploying scalable web applications using modern technologies. Strong problem-solving skills, adaptable mindset, and commitment to continuous learning through real-world projects. Actively developing expertise in DevOps practices and cloud technologies.

EDUCATION

Coimbatore Institute of Technology, M.sc, Decision and Computing Sciences
CGPA: 9.156 (Upto 5th semester)

2023 – 2028 | Coimbatore, India

SKILLS

Programming Languages: Python, Java, C, SQL | **Frontend:** React, Angular, TypeScript, HTML, CSS | **Backend:** Node.js, Express.js, REST APIs | **Database:** MongoDB Atlas | **Core CS:** DSA, OOP, DBMS, Operating Systems (Basics) | **Cloud & Tools:** Google Cloud Platform (GCP), GitHub, Power BI | **Data & ML:** Machine Learning, Deep Learning, Data Analysis & Visualization | **Professional Skills:** Problem Solving, Adaptability, Analytical Thinking

INTERESTS

Full Stack Development | Cloud Computing | Databases | Automation and Deployment | ML | Cyber Security

EXPERIENCE

Editing Head, 403 Strats Club - Coimbatore Institute of Technology

06/2025 – Present

- Designed 25+ event posters using **Canva**, helping social media reach grow by 30% with clear and consistent designs.

PROJECTS

Blood Bank Management System,

08/2025 – 11/2025

Tools used: React, CSS, MongoDB Atlas, REST APIs, Nodemailer

- Developed a full-stack system connecting 50+ **donors**, 5 **hospitals**, and 3 **admin roles**, improving **real-time blood availability tracking** and **request management**.
- Implemented **secure authentication** and **role-based access** for 60+ **users**, with automated notifications, improving timely communication and record accuracy by over 90%.

CodeBuddy - AI Powered Coding Practice Platform,

09/2025 – 12/2025

Tools Used: Angular, TypeScript, Node.js, Express, MongoDB, Gemini API

- Created 15 **study decks** covering **key DSA** topics with 50 **questions** per deck (**750 questions total**), designed to **reach learners effectively** and provide structured practice.
- Developed 225 **flashcards** to help **improve understanding** and **retention** of important concepts through regular review.

RideShare - Optimizer, Tools used: Python, Streamlit, NetworkX, Folium,

02/2025 – 04/2025

OpenRouteService API, Geopy.

- Used **Dijkstra's** and **Prim's Algorithms** to find the shortest and most efficient routes between locations, reducing total travel distance by 18%.
- Created a system using **Branch and Bound (TSP)** and **Greedy Algorithms** to find the best order to pick up and drop off multiple riders, making the trips 25% faster.

ACHIEVEMENTS

Google Cloud Platform (GCP)

11/2025

Completed 19 **Skill Badges**, covering cloud fundamentals, data and compute services

LeetCode 50-Days Badge

Solved problems consistently for 100+ **days**, including SQL and algorithm challenges

EY Techathon 6.0

Shortlisted in Round 2 out of 1,83,253+ registrations, developing a **smart vehicle** technology solution

TechSprint 2025 – Google Campus Edition

Shortlisted as **Top 20 teams** out of 400+ **registrations**, developing an innovative **SmartWallet - vault - based solution**.

CERTIFICATIONS

Oracle — Database for Developers

IBM SkillsBuild — Cloud Computing

JPMORGAN CHASE & CO. — Software Engineering Job Simulation