

Sarthak Ray

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EDUCATION

- Vellore Institute of Technology** 2022-Present
B.Tech Computer Science and Engineering Vellore, India
 - CGPA: 8.87/10.0
- St. Xavier's Institution** 2020 – 2022
Higher Secondary Education (ICSE) West Bengal, India
 - **Class XII** – 94.6% | **Class X** – 96.7%




TECHNICAL SKILLS

- Programming Languages:** C, C++, JavaScript, Python, Java, CSS3, HTML5
- Frameworks & Libraries:** React.js, Node.js, Express.js, Next.js, TensorFlow, Tailwind CSS
- Databases & Cloud:** MongoDB, MySQL, AWS (EC2, S3, Lambda), Heroku, Vercel
- Developer Tools:** Git, GitHub, Postman, Vite, VS Code, Docker (Basic)

EXPERIENCE

- Amazon Web Services**  July 2024
AWS Certified Cloud Practitioner Remote
 - Scored 963/1000 in the AWS Cloud Practitioner exam
 - Achieved AWS Cloud Practitioner certification demonstrating expertise in 6 core AWS service categories
 - Mastered cloud fundamentals, billing optimization, and deployment models across 130+ AWS services
- Smartinternz**  June 2024 - Aug 2024
Full Stack Developer Intern India
 - Developed restaurant management platform "SnackSpirit" can handle 200+ users using MERN stack architecture
 - Collaborated with 4-member development team to deliver project 2 weeks ahead of schedule
 - Optimized database queries reducing page load times by 35% across 10+ application modules
- MongoDB**  June 2024
Node.js Developer Path Certification Remote
 - Completed 40-hour MongoDB Atlas developer certification covering advanced Node.js database integration
 - Implemented 8+ database optimization techniques improving query performance.

TECHNICAL PROJECTS & HACKATHONS

- Paw Recognition: AI-powered pet identification system** August 2024
Next.js, TensorFlow, Llama 3.1 API 
 - Developed AI system with 92% breed classification accuracy
- SnackSpirit: Restaurant management platform** June 2024
MERN Stack, RESTful APIs 
 - Built web application handling 200+ concurrent users with 99.5% uptime
- Museum Ticketing Chatbot: AI visitor assistance** March 2024
MERN Stack, Grok AI, Payment Gateway 
 - Engineered AI chatbot with 85% query resolution rate and payment integration
- Crime Investigation AI (Top 10 Finalist)** March 2024
Tredence Infinity AI Hackathon Bangalore
 - Achieved top 10 placement among 500+ teams in national-level AI competition