

DIVYAM AGARWAL

Aspiring Software Engineer — Full stack developer

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PROFESSIONAL SUMMARY

A final year engineering student with proven experience in full-stack development and cloud deployment. Demonstrated expertise in ReactJS and AWS cloud platform. Strong foundation in Agile methodologies and requirements analysis. Experienced in database management systems and API integrations. Passionate about delivering enterprise-grade technology solutions that drive business value and operational efficiency.

EDUCATION

2022 - 2026	Bachelor of Technology in Computer Science and Engineering at SRM Institute of Science and Technology, Chennai (CGPA: 9.26/10.00)
2021	Senior Secondary St Mary's Convent School (84.2%)
2019	Secondary St Mary's Convent School (92%)

WORK EXPERIENCE

Fullstack Developer Intern - Nullclass Aug 2025 – Present

- Collaborated with cross-functional teams to deliver a scalable trading dashboard for over 5000 users.
- Built interactive charts with ReactJS, optimized database queries, reducing verification time by 35%.
- Deployed on AWS and achieved 85% test coverage and 99.9% uptime.

MERN Stack Developer Intern - CODEC TECHNOLOGIES July 2025 – Aug 2025

- Improved API response times by 65% through database optimization and implemented responsive UI components using HTML5, CSS3, and Tailwind CSS with 40% faster page loads.
- Deployed on AWS with automated scaling and achieved 90% coverage and Prometheus monitoring.

SKILLS

Programming Languages	JAVA, C/C++, Python, JavaScript(ES6), TypeScript, HTML5, CSS3
Languages and Frameworks	React.js, Node.js, Express.js, Tailwind CSS, Bootstrap, npm
Backend	RESTful APIs, MySQL, MongoDB, API integration
Tool and Technologies	Git, GitHub, AWS, Object Oriented Programming(OOP)
Knowledge	DOM manipulation, event handling
Area of interest	Machine learning, Artificial intelligence, Data science
Methodologies	Waterfall, Agile, Scrum
Soft Skills	Problem Solving, Analytical skills, Communication skills
Others	Version Control, Data structures and algorithms, Critical Thinking

PROJECTS

AI-Based Book Recommendation System [GitHub Link](#)

- Built a machine learning powered recommendation system using collaborative and content-based filtering
- Applied user behavior analysis, preferences and ratings to generate accurate suggestions
- Increased user engagement by 30% through intelligent automation and tailored content delivery

AI-Based Gender & Age Prediction Model

[GitHub Link](#)

- Trained a Convolutional Neural Network on a dataset of above 1000 facial images for age and gender detection using TensorFlow
- Boosted model accuracy to 92% by applying data augmentation, normalization and hyperparameter tuning
- Deployed the model into a Flask-based web application with OpenCV preprocessing, enabling real-time predictions under 200ms per image.

Café Courture (Frontend Project)

[GitHub Link](#)

- Architected and deployed a responsive website using HTML5, CSS3, and JavaScript
- Integrated smooth navigation, modern UI elements and dynamic interactivity to enhance user experience
- Enhanced UI responsiveness by 25% across desktop and mobile platforms with optimized component rendering and lazy loading

World Atlas — Country Information Explorer

[GitHub Link](#)

- Developed a responsive web application that displays detailed data for more than 100 countries using APIs.
- Integrated React hooks and client-side caching to reduce API call frequency by 40%.
- Designed and optimized a clean, accessible UI with Tailwind CSS, achieving a 95% performance score

POSITIONS OF RESPONSIBILITY

Head Student Convenor - Institution's Innovation Council (IIC)

Jul 2025 - Present

- Forged partnerships with 5 industry leaders to deliver exclusive sessions impacting 500 students.
- Coordinated innovation challenges and mentorship sessions for 1000 students.

Vice President - Event Management Team, Gamer's Creed Club

Jan 2024 - Oct 2024

- Spearheaded flagship tournaments, driving a 90% increase in registrations through strategic planning

ACHIEVEMENTS

- Qualifier - Smart India Hackathon 2024, selected for national-level problem solving from campus
- Runner-up - Hack the Flag (24-hour Hackathon), built best working prototype among 40+ teams
- EY Techathon 4.0 and Cleared Round 1 and reached Round 2 with AI-based business solution
- Served as member of school council, demonstrating leadership and responsibility

CERTIFICATIONS

- NPTEL - Database Management Systems(DBMS)
- Meta Version Control System
- Meta Programming in Python
- Cloud Computing - Infosys Springboard
- Data Science - Infosys Springboard
- Natural Language Processing - Infosys Springboard
- HackerRank - Python , Java
- AWS S3 Basics
- AWS Cloud Practitioner Essentials Certification

LANGUAGES

- **English** - Professional Proficiency
- **Hindi** - Advanced Proficiency
- **French** - Basic Proficiency