

Aman Kumar Singh

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EDUCATION

Vellore Institute of Technology, Chennai
B.Tech, Computer Science Engineering

2020 – 2024
CGPA: 9.1

WORK EXPERIENCE

Software Developer - TVS Credit Services

July 2024 - Present

- Led development of responsive and reusable UI components using React.js and Salesforce LWC, improving frontend development efficiency by 20% and reducing redundant code.
- Developed a knowledge base for call center executives, cutting average query handling time from 10 minutes to 1 minute and reducing TAT by 35%, while lowering call drop rates by 25%.
- Conducted code reviews on 40+ Apex classes each sprint, ensuring high-quality standards and reducing production bugs.
- Collaborated with cross-functional teams, improving feature delivery efficiency by 20% while meeting deadlines.
- Managed CI/CD pipelines using GitLab, implementing SonarQube and Checkmarx for code quality and security checks, reducing deployment failures by 35%.

Graduate Engineer Trainee - TVS Credit Services

Feb 2024 - May 2024

- Automated business processes using Apex, reducing manual effort by 40%.
- Integrated third-party applications using REST APIs, streamlining workflows and reducing data entry errors by 25%.
- Configured Salesforce flows, approval processes, and validation rules as an admin, enhancing automation and reducing manual interventions by 35%.

Founding Engineer Intern - Codemate.AI

Aug 2023 - Sep 2023

- Coordinated end-user development using TypeScript, VS Code extensions, and vector-embedded databases with Firebase, reducing feature implementation time by 30%.
- Expanded a codebase and chat history integrated with AI, improving developer productivity by 40%.
- Implemented website authentication and user management using Firebase, ensuring secure access for over 1000 users.

SKILLS

Languages: C/C++, Apex, Java, JavaScript

Primary: Salesforce, SQL, SOQL, SOSL, JavaScript, React.js, HTML/CSS, OOP, System Design, Spring Boot

Secondary: Node.js, Express.js, MongoDB, Git

PROJECTS

AscendAI – AI Career Coach

[Link](#)

Tech Stack: React.js, TypeScript, Node.js, PostgreSQL, Gemini AI API, Shadcn UI

- Engineered a full-stack AI-driven application with a responsive React.js frontend and reusable components, reducing development time by 25%.
- Integrated Gemini AI APIs to deliver personalized career recommendations, increasing engagement.
- Devised an adaptive quiz system with real-time rendering and scoring, improving user assessment accuracy by 40%.

Knowledge Base

Tech Stack: Salesforce Admin, LWC, Apex, JavaScript

- Built a centralized Knowledge Base for call center executives.
- Reduced call center TAT by 30% through faster agent query resolution.
- Trained 50+ call center agents on the Knowledge Base, improving first-contact resolution rate by 20%.

PUBLICATIONS

U-Net Inspired Deep Neural Network-Based Smoke Plume Detection in Satellite Images

Computers, Materials and Continua (CMC) — SCIE, Impact Factor: 3.1, 2024