

Saurav Agrawal

Software Engineer

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EDUCATION

- **Chandigarh University** Mohali, Punjab, India
Bachelor of Engineering in Computer Science Engineering; CGPA: 7.65
August 2021 – July 2025
- **R.O.S. Public School** Sitamarhi, Bihar, India
Intermediate (CBSE) - PCM; Percent: 76
April 2019 – March 2020
- **N.S.D.A.V. Public School** Sitamarhi, Bihar, India
Matriculation (CBSE) - PCM; Percent: 80
April 2017 – March 2018

SKILLS SUMMARY

- **Languages:** C++, JAVA, SQL, HTML5, CSS, Javascript
- **Frameworks:** Nodejs, Reactjs
- **Tools:** MySQL, MongoDB Compass, Github, Firebase
- **Soft Skills:** Leadership, Event Management, Writing, Public Speaking

PROJECTS

- **RADARS - Road Accident Detection and Alert System (Website) :**
 - Developed a web interface for the RADARS system to display real-time accident alerts and vehicle locations.
 - Improved user accessibility and response efficiency by 40% through seamless integration of data visualization and real-time updates.
 - Engineered features for RADARS system using core technologies streamlined data visualization processes Reduced decision-making time by 30% when responding to emergency situations on-site.
- **Drowsiness Detection System:**
 - Engineered a real-time drowsiness detection system leveraging OpenCV, monitoring facial landmarks to identify signs of fatigue with a detection rate of 90%.
 - Implemented advanced image processing techniques to analyze eye closure duration and blinking patterns, reducing risks by triggering audio alerts.
 - Optimized system performance using Dlib for facial landmark detection, Enhanced processing speed by 20%.
- **Billing Web Application:**
 - Developed a modern billing web application using React, Redux Toolkit, and Tailwind CSS, enabling users to create, view, filter, and manage invoices with an intuitive interface.
 - Implemented dynamic invoice listing and filtering by status (all, draft, pending, paid), providing users with real-time access to relevant billing data.
 - Built responsive UI components with Tailwind CSS, ensuring seamless usability across desktop and mobile devices.
 - Enhanced code maintainability and scalability by modularizing components and following best practices in React and Redux architecture.

HONORS AND CERTIFICATIONS

- Earned **Deloitte Data Analytics Job Simulation Certification** - May, 2025
- Awarded **Certificate of Toppers (Top 2%)** for NPTEL IoT Course - January, 2024
- Completed **NPTEL C Programming Certificate** - December, 2023
- Earned **Business Analytics Manager Certification** - October, 2023
- Completed **Coursera Unity in Game Design Certification** - September, 2023