

Simran Chand

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Summary — Passionate software developer skilled in **full-stack development**, specializing in **front-end (React, JavaScript, HTML, CSS)** and **back-end (Node.js, Python, SQL)**. Hands-on experience with AWS and cloud computing. Strong problem-solving skills with a keen interest in scalable, real-time applications.

Skills

Frontend HTML, CSS, JavaScript, React
Backend Java, Python, Node.js, SQL

Cloud and Tools AWS, Cloud Computing

Internship

TATA Elxsi

Jan 2024-Jun2024

ADAS Trainee

Smart In-cabin Metro Solution

- Enhanced the accuracy and reliability of the **weapon detection system**, improving system performance for real-time applications.
- Curated and labeled datasets with 10,000+ images for **model training, improving robustness**.
- Applied advanced **data augmentation techniques**, including tiling, to improve dataset diversity and robustness.
- Performed detailed annotations using **polygonal segmentation and semantic segmentation methods**, optimizing input data for machine learning models.
- Collaborated with a cross-functional team to ensure timely completion of the project, meet organizational goals, and deliver a reliable solution.

Projects

My Portfolio

Aug 2024 - Oct 2024

- Built a responsive personal portfolio website using **HTML, CSS, and JavaScript**, showcasing skills, projects, and academic background.
- Designed intuitive UI with interactive features such as **tabbed content, hover effects, and custom CSS animations**.
- Integrated **font-awesome icons and optimized images** for enhanced performance and accessibility.
- Ensured cross-device compatibility using **Flexbox, CSS Grid, and media queries**

Weather API

Nov 2024-Dec 2024

- Developed a **responsive weather app using HTML, CSS, JavaScript, and the OpenWeather API**.
- Implemented real-time **API fetching, error handling, and dynamic UI updates**.
- Integrated custom weather icons and animations for an enhanced user experience.

CarZone

Mar 2024-Jun 2024

- A **full-stack car marketplace application** enabling users to buy and sell cars with price prediction.
- Built a **/predict API using Flask** for car price prediction with input validation, error handling, and JSON responses.
- Designed dynamic React components (BuyCarPage, CarCard, CarDetailsForm) with a responsive UI using SCSS and integrated Firebase for authentication and **Firestore** for data management.
- **Implemented advanced filtering** (price, brand, model) and a **slider-based landing page** for car listings.

Education

ITER, SOA University

2020-2024

B.Tech in CSE

DAV Public School, NTPC/TTPS

2018-2020

12th Science, PCMB

GMR Varalakshmi DAV Public School

2017-2018

10th CBSE

Certifications

- Tata Elxsi - Internship Completion Certificate
- Pantech Solutions- Internship Completion Certificate
- NoviTech- Internship Completion Certificate
- Career Ninja - Amazon Web Services Database

Extracurricular Activities

- Volunteered in NSS Special Camp
- Participated in the 5km Tata Steel Run-a-thon