# Shivansh Karan

(+91) 88842-30972 | [shivansh.karan@gmail.com](mailto:shivansh.karan@gmail.com) | [linkedin.com/in/shivansh-karan](https://linkedin.com/in/shivansh-karan) | [github.com/SpaceTesla](https://github.com/SpaceTesla)

## EDUCATION

**Dayananda Sagar College of Engineering**                                          Bengaluru, India
*Bachelor of Engineering – Computer Science and Engineering*                              2022 – 2026

**HMR International School**                                                          Bengaluru, India
*12th Standard*                                                                          2020 – 2022

## TECHNICAL SKILLS

**Frontend Development**: React, JavaScript, HTML, CSS, Bootstrap
**Backend Development**: Express.js, Node.js, Flask, FastAPI, Postman
**Databases**: MongoDB, MySQL, Firebase, Oracle, SQLite
**CI/CD Tools**: Docker, Linux, Microsoft Azure, GitHub, Git
**Data Science**: NumPy, Pandas, Tableau
**IDEs**: VS Code, PyCharm, WebStorm, DataGrip

## PROJECTS

**Mivro** | *Chrome Extension, Manifest V3, Content Scripts, Background Scripts, API Integration*          [GitHub](#)
- Developed a web extension using Manifest Version 3 to display detailed **nutritional information on food products** across various websites.
- Created a dynamic interface with injected CSS and JavaScript to display **product nutritional details**, including positives, negatives, and health risks, directly on the website for enhanced **user convenience**.
- Implemented **secure communication** between content scripts and backend through a **background script**, adhering to **Manifest V3** requirements.
- Improved user experience by providing **instant visual feedback** on a product's nutritional score directly on the website for **quick assessment**.

**JuRIDEX** | *SQL, DBMS, Firebase, Maps API*          [GitHub](#)
- Developed a Criminal Database Management System using **MySQL** for database management, designing and implementing schemas for efficient data storage and retrieval.
- Created **RESTful APIs** with **Express and Node.js** to handle **CRUD operations**, ensuring robust and scalable server-side functionality.
- Secured the application with Firebase authentication, **integrating maps** to visualize crime locations using latitude and longitude data.

**WanderSpot** | *MongoDB, Express.js, Node.js, EJS, Bootstrap, REST*          [GitHub](#)
- Developed a user-friendly platform inspired by **Airbnb** for discovering and booking vacation rentals worldwide, using Bootstrap for **responsive design** and EJS templates for dynamic content rendering.
- Implemented **search and booking** features with Node.js and Express.js, allowing users to find and reserve unique accommodations, including cozy cabins and luxurious villas.
- Utilized MongoDB and Mongoose for efficient **data management and storage** of user information and rental listings, and designed an intuitive interface to streamline the process of finding the perfect vacation spot, enhancing user experience.

**Spice 3.0** | *Flask, Bootstrap, SQLite, Web Hosting*          [GitHub](#)
- Developed a **restaurant-themed web application** showcasing a menu, reservation system, and detailed restaurant information. Built with HTML, CSS, JavaScript, and Bootstrap, the application offers a visually appealing and user-friendly experience.
- **Hosted on Render.com**, the backend is powered by Flask, while SQLite and **SQLAlchemy** are employed for efficient database management, ensuring dynamic functionality and smooth performance.

**ScrapeCart** | *Puppeteer, Web Scraping*          [GitHub](#)
- Developed a **web scraping application** that fetches product data from **Amazon and Flipkart** based on user queries, leveraging Puppeteer for web scraping and implementing caching to optimize response times.
- Built with Node.js and Express.js, the application utilizes EJS for view rendering, providing users with a seamless experience for **browsing and comparing product** information from multiple sources.

## ACHIEVEMENTS

**HACK-O-RAMA!** | *Runner-Up*
- Achieved **2nd place** in HACK-O-RAMA!, hosted by the Department of Computer Science and Business Systems at Dayananda Sagar College of Engineering.