

# HARSHAL BHAGAT

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## TECHNOLOGIES

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- **Programming Languages:** Python, JavaScript, C++
- **Web Development:** HTML, CSS, Tailwind CSS
- **Databases:** MySQL
- **Cloud Services:** AWS(Amazon Web Services)

## PROJECTS

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### Credit Card Financial Dashboard Using Power BI

- **Constructed an interactive dashboard:** Leveraged **transactional and customer information** from a **SQL database** to offer **real-time analytics**. Crafted an **intuitive interface** for enhanced **data representation**.
- **Enhanced data workflows:** Streamlined **processes** for optimal **data handling**. Tracked **key performance indicators** and **patterns** to deliver timely insights.
- **Communicated actionable insights:** Presented **data-driven findings** to **stakeholders**, aiding in **strategic decisions**. Effectively conveyed results through **comprehensive reports and presentations**.

### Online Campus Recruitment System

- **Architected SQL Database:** Designed and maintained **database schema** with **structured tables** for users, job listings, and applications, ensuring **data accuracy and coherence**.
- **Developed Frontend:** Created and sustained the **frontend** using **HTML, CSS, JavaScript, and Bootstrap**, delivering a **responsive and user-friendly interface**.
- **Boosted Performance:** Improved **query optimization** and **data integrity**, implemented **scalable solutions**, and ensured **system robustness** for an expanding user base and increasing data volume.

### Recipe Generation from Food Image

- Designed an **advanced machine learning model** to autonomously generate detailed recipes from food images, utilizing **cutting-edge algorithms** and **data analysis techniques**.
- Implemented sophisticated **computer vision methods** to accurately assess **food images**, extract relevant **attributes**, and predict a detailed list of **ingredients** necessary for the recipe.
- Developed a **fully automated system** that not only identifies ingredients but also generates **step-by-step cooking instructions** from visual data, offering a **seamless experience** from image input to recipe output.

## EDUCATION

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<u>Degree</u>	<u>Institution</u>	<u>Board/Field</u>	<u>Year</u>
B.Tech	Bajaj Institute of Technology	Computer Engineering	2021–2025
12th Grade	Kendriya Vidyalaya Bambolim Camp	CBSE	2021
10th Grade	Kendriya Vidyalaya Bambolim Camp	CBSE	2019

## ACHIEVEMENTS

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- **Represented Goa Cluster** in Cluster Level Football Competition
- **Ranked 5th** in college on **GeeksforGeeks**, demonstrating **problem-solving skills** and **proficiency in competitive programming**.
- **Solved more than 200 questions** on **LeetCode**, highlighting **problem-solving skills** and **programming proficiency**.

## CERTIFICATIONS

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- **AWS Academy Cloud Foundation** and **Introduction to Cloud** (Semesters 1 & 2)
- **Introduction to Cybersecurity**

## POSITIONS OF RESPONSIBILITY

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- **Technical Member** at **Google Developer Student Club**
- **Technical Member** at **'Network BIT Forum'**
- **Management Member** at **'Newton School of Coding'**