



Rohan Singh

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EDUCATION

BTech in Computer Science
Delhi Technological University

2024 - 2028
Delhi, India

SKILLS

Python | Streamlit | Machine Learning | C++ | Data Structures and Algorithms |
NLP | TRANSFORMERS | SQL | Langchain | HTML | JAVASCRIPT | Web Scraping

EXPERIENCE

Apprenticeship

National Youth Council Singapore

- Engaged in **training sessions** led by **industry experts** from startups like **Buzz AR** and **Mercurius**.
- Gained hands-on knowledge of **emerging technology** topics, including **cybersecurity** and **AI applications** for future advancements.

AI for Youth Bootcamp

Intel Corporation

- Explored **data science** and **computer vision** concepts in a structured, **project-based learning** environment.
- Acquired **practical experience** in **AI problem scoping** and **real-world applications**.
- Developed **Structural Defect Detection Program**, a **CNN model** leveraging **transfer learning** to assess **cracks in architectural structures** and estimate their **life expectancy** on a scale of **1-100**.

PROJECTS

Product Review Sentiment Analyzer

- Fine-tuned a **BERT model** with **Hugging Face Transformers** for sentiment classification.
- Built a responsive **Streamlit** app for real-time sentiment prediction, handling large CSVs and structured data.

Structural Crack Detection (Intel AI Bootcamp)

- Built a **CNN model** with **VGG16** and deployed it via **Streamlit** for real-time crack detection.
- Implemented **transfer learning** and severity estimation on a **1-100 scale** for user-friendly insights.

AI-Powered Lead Enrichment Agent

- Built a **Streamlit** web app that automates lead research using **Firecrawl** for content extraction and **Gemini 2.0 Flash** for AI-driven summarization.
- Enabled **tone customization**, **CSV export**, and smart **RevOps workflow enhancements** through prompt engineering and UX design.

ORGANIZATIONS

Pratibimb, DTU

Delhi

Actor

- Participated in **national-level competitions at IITs**, performing the play **Sarfarosh**.
- Developed **teamwork**, **public speaking**, and **storytelling skills** through theatrical performance

VOLUNTEER EXPERIENCE

Interact Club, DAV Dwarka

Director - International Services

- Led **community service initiatives** and coordinated **volunteer programs** to drive meaningful impact.
- Managed **team operations**, fostering leadership, collaboration, and organizational growth.