



SAFAL SINGH

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Education

National Institute of Technology Kurukshetra, India

- B. TECH in Information Technology | CGPA: 8.55

2023 - 2027

(expected)

Asian Public School, India

- CBSE (Class XII), Aggregate:94%

2022 - 2023

Asian Public School, India

- CBSE (Class X), Aggregate:94%

2019 - 2020

Skills

C | Java | Python | Machine Learning | Deep learning | TensorFlow | JavaScript | Scikit Learn | Flask | Generative AI | Git | HTML/CSS | Azure

Work Experience

Infosys Springboard | Artificial Intelligence Intern | (Remote)

October '24-December'24

- Conducted AI/ML research, developing and fine-tuning models using Python and TensorFlow, improving model accuracy by **15%**.
- Built an **AI-Powered Regulatory Compliance Checker for Contracts**, utilizing **LangChain**, **Pinecone**, **FAISS**, and **LLaMA 3.1**, reducing contract review time by **40%**.
- Collaborated with cross-functional teams to implement machine learning solutions, enhancing predictive analytics and optimizing processes by **30%**.

Projects

AI Agent for Information Retrieval | [Github Link](#)

November'24

- Developed an AI-driven tool that automates data retrieval from the web via **SerpAPI** and integrates **Google Sheets API**, enabling users to upload CSVs and retrieve data for over **1,000+ rows** with a **95% accuracy**.
- Implemented custom search prompts and parsing with **Google Gemini**, reducing manual data cleaning by **30%** and providing structured results in **CSV/Excel formats**.
- Built an intuitive interface using **Streamlit**, enhancing the user experience and improving data retrieval efficiency by **50%**.

Cancer Care - AI-Powered Cancer Detection Platform | [Github Link](#)

October'24

- Developed an AI web app using CNNs in **TensorFlow**, achieving 99.2% accuracy in detecting over 11 types of cancer at different stages from CT scan images.
- Trained on a dataset with over 100,000 images for robust cancer detection.
- Integrated genomic data via **Ensemble API** to identify mutations/biomarkers linked to cancer types.
- **Technologies**: Python, TensorFlow, CNN, Ensemble API, Google Gemini, Flask, HTML/CSS.

Farm Seva - AI-Powered Crop Disease Detection and Mapping Platform | [Github Link](#)

September'24

- Trained a **ResNet** model on a dataset of over 90,000 images, achieving 99.2% accuracy for robust disease identification.
- Integrated a chatbot with the Gemini API to provide information and respond to queries on **40+ diseases**, handling, enhancing user engagement and accessibility to reliable health information.
- **Technologies**: Python, TensorFlow, ResNet, Flask, Google Gemini

Academic and Extracurricular Achievements

- Winner of **American Allegiance of Education** Hackathon-Created CancerCare AI.
- Winner of **DevClash** Hackathon (2024)
- Solved 170+ questions on Leet Code ([Profile Link](#))
- Smart India Hackathon (SIH) 2024 Internal hackathon winner.
- SSOC(Social Summer Of Code) contributor.

Clubs And Society

- Member of **Google Developer Community**.
- Member Of Open Code Developer Society (OCD) the coding club of our college.