SAFAL SINGH

safalsingh76@gmail.com | +91-9034915149 | 💬| in

Education

National Institute of Technology Kurukshetra, India	**2023 - 2027**
● B. TECH in Information Technology | CGPA: 8.55	(expected)
Asian Public School, India	**2022 - 2023**
● *CBSE (Class XII), Aggregate:94%*	
Asian Public School, India	**2019 - 2020**
● *CBSE (Class X), Aggregate:94%*	

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 and developed models to solve real-world business challenges, utilizing Python and TensorFlow for model design, training, and evaluation.
- Collaborated with cross-functional teams to implement machine learning solutions, improving predictive analytics and process optimization.
- Developed an **AI-Powered Regulatory Compliance Checker for Contracts**, creating a tool to automatically review contracts and ensure regulatory compliance using AI/ML technique.

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) contributer.

Clubs And Society

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