Anish Kumar

github | linkedin.com/in/anish-kumar-3a177a318/ | anishkumar5208@gmail.com | +91-7986138951 | GeeksForGeeks | LeetCode

Education

National Institute of Technology, Delhi — Nov 2022 - Present
Bachelor of Technology in Computer Science and Engineering — **GPA: 7.6**

PM SHRI KENDRIYA VIDYALAYA 3 BRD, CHANDIGARH — Apr 2021 - Mar 2022
Senior Secondary (Class XII) — **Percentage: 92.2%**

PM SHRI KENDRIYA VIDYALAYA 3 BRD, CHANDIGARH — Apr 2019 - Mar 2020
Secondary (Class X) — **Percentage: 93.8%**

Projects

Traffic Sign Recognition System
GitHub Link — Technologies: TensorFlow, Keras, Python, OpenCV

- Created a CNN-based model to classify traffic signs for autonomous driving
- Implemented a **Convolutional Neural Network (CNN)** with multiple convolutional layers, batch normalization, and dropout for better generalization
- Applied **data augmentation** techniques to improve model generalization

AI Powered Chat Bot
GitHub Link — Technologies: Rasa, Dialogflow, or spaCy, TensorFlow, Keras, Python

- Developed an **AI-driven chatbot** capable of handling **customer queries, FAQs, and personalized responses** using **Natural Language Processing (NLP)** and **Machine Learning**.
- Trained on **custom FAQs, customer support transcripts**, and **pretrained NLP models** for contextual understanding.
- Implemented **Named Entity Recognition (NER)** and **Intent Classification** to ensure accurate responses.

Spam Email Classifier
GitHub Link — Technologies: Scikit-Learn, TensorFlow, NLTK, spaCy, TF-IDF Vectorization

- Developed a **machine learning-based spam classifier** that automatically detects **spam vs. ham (legitimate) emails** using **Natural Language Processing (NLP) and classification algorithms**.
- Used **tokenization, stopword removal, stemming, and lemmatization** to clean email text.
- Applied **TF-IDF and Word2Vec embeddings** to extract meaningful text features.

Achievements and Certifications

- Completed **350+ coding challenges** across various platforms including **LeetCode,HackerRank, Codeforces**, and others, demonstrating a strong grasp of algorithms, data structures, and problem-solving techniques.
- Selected to participate in the **Smart India Hackathon** at the college level, showcasing innovative problem-solving skills and teamwork.

Skills

- **Programming Languages:** Python, C++, Dart, SQL .
- **Data & ML Libraries:** TensorFlow, Keras, Scikit-Learn, OpenCV, Transformers (BERT/GPT)
- **Computer Vision**: CNNs, YOLO, OpenCV, Image Processing .
- **Databases:** Firebase, Supabase, MySql.
- **Tools & Platforms**: Jupyter Notebook, Google Colab, Streamlit, WebSockets
- **Soft Skills:** Communication-Skills,Leadership, Teamwork, Event Management.

Extra-Curricular

- Represented the **college football team** and won the **gold medal** in the prestigious Malaviya Sports Tournament, showcasing teamwork, leadership, and athletic skills.
- Secured **first position** in the **poster making** competition on National Space Day, demonstrating creativity and strong visual communication skills

Coursework

- **Courses:** Computer Vision, Deep learning, Theory Of Computation, Object-Oriented Programming, Data Structures & Algorithms, Data Mining,Machine Learning, Database Management Systems, Operating Systems,Computer Organisation & Architecture.