# MAYANK DIVAKAR

## Machine learning Engineer /Full Stack web Developer

## CONTACT ME

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- New Delhi

## EDUCATION

**MERI COLLEGE OF ENGINEERING**
B.tech CSE
2021-25

**Army Public School**
Class X & XII

## SKILLS

- Python
- Numpy
- Machine Learning
- Computer Vision
- Django
- React Js
- MySQL
- MongoDB
- Kubernetes
- OpenCV
- Google Cloud Console
- Communication Skills
- HTML
- CSS
- C++
- Generative AI
- Deep Learning
- App Engine Render - API
- Three js
- Nodejs
- BigQuery GCP
- Problem Solving
- Time Management
- Streamlit
- Flask
- English

linkedin.com/in/mayankprogrammer/

github.com/mayankiscoding

## ABOUT ME

Machine Learning Engineer at Data Knobs, I excel in Python, C++, deep learning, and computer vision, specializing in developing comprehensive machine learning solutions and deploying models for practical applications. My experience includes leading AI projects for my college and diverse clients, where I've created impactful solutions for various challenges. My skill set extends to building web applications and interactive platforms, emphasizing personalization and user empowerment. Committed to continual learning, I harness data-driven insights to drive meaningful results in AI and web development, making a valuable impact in the tech industry.

## WORK EXPERIENCE

**Machine Learning Engineer**
**DataKnobs - New Delhi**                                    **August 2023 - Current**

- Engineered an API for PDF question answering with a strong emphasis on user data privacy. The system extracts text and questions from PDF documents, provides precise answers using machine learning models, and ensures the anonymization of personal details. It also securely stores processed data on Google Cloud Storage buckets, assigning each user a dedicated and secure storage space.
- Designed and implemented an API that applies K-Anonymity, T-Closure, and L-Diversity privacy protection techniques to CSV datasets. The system takes user input in the form of CSV data, performs anonymization operations, and returns an anonymized dataset, ensuring that sensitive information is protected.
- Implemented automated data pipelines for collecting and preprocessing large datasets from multiple sources.

## PROJECTS

**DATA Margdarshan**          *( a SIH Project)*

- Developed a machine learning recommendation engine that analyzes users' interests, skills, and goals to suggest suitable career paths, educational programs, and job opportunities.
- Enabled students to create personalized profiles, input their academic and extracurricular achievements, and receive tailored advice on potential career choices.
- Integrated data analytics to track user engagement, career choices, and the effectiveness of recommendations, allowing for continuous improvement.

**PDF Based questioning**    *(Deployed on https://free.kreatebots.com/)*

- Created a web-based Chatbot which takes in a PDF file as a knowledge base and then answer any question related to that PDF by TF-IDF vectors and Cosign similarity.
- you can specify the length and the starting and end index of your answer as well
- The question-answer prompts are then anonymized with the help of NER and saved in Google Cloud buckets.

**Med Sathi OCR**

- Created an application using Python and kiwi which captures images from a webcam with the help of OpenCV
- With the help of easyOCR text from the image is retrieved and cleaned with the help of basic NLP
- The cleaned Text is then compared With the database we've provided and with the help of gtts an audio output is generated