SAURAV KR BAKULI

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PROFILE

Motivated and detail-oriented B.Tech graduate specializing in Computer Science Engineering, with a strong passion for Machine Learning, AI, and Data Science. Proficient in various programming languages and tools, I am eager to leverage my technical skills in a collaborative environment to kickstart my career. Known for being a quick learner and adaptable to new challenges, I am seeking opportunities to gain hands-on experience and contribute to impactful projects.

EDUCATION

Class 10, KV No.2 Salt Lake, Kolkata   **May 2017 – April 2018**
   Aggregate %: 82.2

10+2(PCM), KV No.2 Salt Lake, Kolkata   **May 2019 – April 2020**
   Aggregate %: 73.2

B.Tech CSE, Heritage Institute Of Technology, Kolkata   **Aug' 2021 – June 2025**
   CGPA: 8.52

INTERNSHIPS

Eastern Coalfields Limited, ML Engineer.   **Jun' 2024 – July 2024**

Chat With Data

- **Technologies:** Python, ML libraries, BERT Transformer, Streamlit, CSS.

- **Description:** Developed a web application that enables users to perform various data operations through a chatbot interface. The application supports file uploads in formats like CSV, Excel, JSON, and Parquet, and allows users to interact with the data using natural language queries.

Virtual Job Simulation Programmes:

   • Software Engineering by EA • Software Engineering by HP Enterprises • Data Science by BCG X
   • Data and Visual Analytics by Accenture • Artificial Intelligence by Cognizant • Data Visualization by Tata
   • Power BI by PwC • Data Science by Standard Bank

PROJECT

Diabetic Retinopathy Detection Web Application

- **Role:** Model Implementation and Backend Development.

- **Technologies:** Python, Flask, ML libraries, HTML/CSS.

- **Description:** Developed a web application that detects and classifies the stages of diabetic retinopathy from retinal images. The application allows users to upload scanned retinal images and provides predictions on the stage of the condition, including no diabetic retinopathy, mild, moderate, severe, and proliferative diabetic retinopathy.

EXTRA-CURRICULAR ACTIVITIES

Smart India Hackathon 2023

Robust-Human-Detection

- **Role:** Model Training and Backend Development.

- **Technologies:** Python, Flask, ML libraries, OpenCv, YOLOv8.

- **Description:** Developed the backend and trained a YOLOv8 model for a human detection system. The system locks onto detected humans as targets and triggers visual alarms upon detecting anomalies such as jumping, crawling, or running. The model was trained for multi-class prediction of human actions like walking, running, standing, sitting, and crawling.

Workshop on Meta Spark AR by Reskill.

CERTIFICATES

Deep Learning, IIT Ropar.

C programming and Assembly Language, IIT Madras.

Data Science Math Skill, Duke University.

Data Science, Internshala.

Supervised Machine Learning, Stanford.

TECHNICAL SKILLS

Programming Languages: C, C++, ASM, Python, Prolog.

Backend: Flask, Streamlit.

Data Science & Analytics: Machine Learning, R, Tableau, PowerBI, SQL.

Tools & Technologies: AWS.

SOFT SKILLS

Quick learner and adaptable.

Detail-oriented with a focus on quality.

HOBBIES & INTERESTS

Drawing, Photography, Chess, Football, Video games.

LANGUAGES

English, Hindi, Bengali.