ABHISHEK

DATA SCIENCE STUDENT

CONTACTS

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GitHub

EDUCATION

Indian Institute of Technology Madras
2022 - Present
BS in Data Science and Applications

ACHIEVEMENTS

Finalist of Google Code to Learn Competition

RESPONSIBILITIES

Co-founder and Web Admin of Photography Club of my Degree

PROJECTS

Crime Category Prediction Challenge (Link)

Tech Used: Python, Scikit-Learn, XGBoost, LightGBM, Pandas, NumPy, Matplotlib, Seaborn, Jupyter Notebooks

Developed a crime category prediction model using a rich dataset of crime incidents. Preprocessed data, addressed missing values, and encoded categorical features. Conducted exploratory data analysis, feature engineering, and model training with **Scikit-Learn**, **XGBoost**, and **LightGBM**, achieving a **95.7%** accuracy.

Full Stack EdTech Project (Link)

Tech Used: ReactJS, Tailwind CSS, Redux, Node.js, ExpressJS, MongoDB, Cloudinary, JWT, Bcrypt, Razorpay

Created a comprehensive platform for course exploration, management, and purchasing. Developed student and instructor interfaces with **ReactJS** and **Tailwind CSS**, implemented secure authentication with **JWT** and **Bcrypt**, and integrated payment processing via **Razorpay**.

E-Book Library Management System (Link)

Tech Used: VueJS, CSS, Flask, SQLite, Redis, Celery, Flask Security

Built a library management system with user and librarian functionalities for handling e-books. Employed **Flask** for backend APIs, **VueJS** for frontend, and **SQLite** for data storage. Integrated **Redis** for caching and **Celery** for batch processing, featuring advanced search and automated notifications.

SKILLS

Programming Languages: Python, JavaScript, C++, JAVA
Frameworks & Libraries: ReactJS, VueJS, Flask, Scikit-Learn, XGBoost, LightGBM
Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Seaborn
Database Management: MongoDB, SQLite, Redis
Tools & Technologies: Jupyter Notebooks, Celery, Cloudinary, JWT, Bcrypt, Razorpay
Web Development: Node.js, ExpressJS, Tailwind CSS