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Abhishek Kumar

M.Tech

Computer Science & Engineering
Indian Institute of Technology, Bombay



EDUCATION

- **Master of Technology , Computer Science and Engineering,**
Indian Institute of Technology, Bombay 2021-2023
- **Bachelor of Technology , Information Technology,**
BIET , Jhansi
Percentage-77.56 % (Honours) 2017-2021
- **Intermediate(+2)**
CBSE Board
Percentage - 88.4% 2015-2016
- **High School**
CBSE Board
CGPA - 9.8 2013-2014

TECHNICAL SKILLS

Languages C++, C, Python, Solidity, HTML5, CSS, SQL , Java, Javascript, bash, \LaTeX
ML Tools keras, tensorflow, scikit
Softwares Linux, Git, Texmaker, Vensim
Framework Django

COURSES UNDERTAKEN

- Software Lab, Foundation of Machine Learning , Algorithms and Complexity , Analysis of Concurrent Programs, Wireless Networks , System Dynamics , Critical Thinking for the digital age

TEACHING EXPERIENCE

- Teaching Assistant *CS 101, Computer Programming and Utilization (Dec 2021 - Mar 2022)*
Course Instructor- Prof. Parag Chaudhuri
Guided students throughout the course by taking doubt and Lab sessions.

TECHNICAL PROJECTS

- **Online Degree Verification using Blockchain**
Course-Software Lab, Instructor- Prof. Kavi Arya
This Decentralized application stores the student's information in the blockchain network which can only be verified by users with high clearance levels like college Dean/Director. Users can view but cannot modify their own data. Such an application will enable higher security for users' information and can prevent degree forgery.
Technologies Used - Blockchain, Solidity , Python , HTML , CSS , Web3.JS, Truffle Framework and Javascript.
- **Credit Card Fraud Detection**
Course-Foundation of Machine Learning, Instructor- Prof. Preethi Jyoti
Solved binary classification problem by applying various machine learning models like Logistic Regression, Support Vector Machine, Adaboost, NeuralNetwork, Random forest classifiers with hyperparameter tuning.
- **Fire prediction using Linear Regression**
Course-Foundation of Machine Learning, Instructor- Prof. Preethi Jyoti
Linear Regression model from scratch was used to predict Fire radiative power based on dataset collected from two satellites terra and aqua. Dataset is recorded from fire in forests of australia.

ACHIEVEMENTS

- Secured **99.18** percentile in GATE 2021 CS/IT amongst 101922 candidates.
- Winner in Inter-college Basketball tournament (Pravanjan 2020) held between 8 colleges of AKTU and HBTU.
- Got Best Basketball Player of the tournament in Pace 2019.