SUMIT KUMAR

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HackerRank:	https://www.hackerrank.com/smaxiso

OBJECTIVE

Final year B. Tech student at NIT Patna. Inquisitive, hard-working, and consistent. Looking for the full-time job opportunities where I can apply my skills and contribute to real-world problems' solutions.

EDUCATION

Degree	University/Board	Institute/School	Passing Year	Result
B. Tech in Computer Science and Engineering	National Institute of Technology Patna	National Institute of Technology Patna	2021 (Expected)	7.48 CGPA
Class XII	CBSE	Jawahar Navodaya Vidyalaya Kolasi, Katihar	2016	78%
Class X	CBSE	Jawahar Navodaya Vidyalaya Kolasi, Katihar	2014	10 CGPA

TECHNICAL SKILLS

Language	C, C++
Database	SQL, Firebase
General	Data Structures, Algorithms, Computer Networks, DBMS, OS, OOP, Shell Scripting, Machine Learning, Unix
Familiar	Android Studio, Java, Python
Certificates	Image Classification with CNNs

INTERNSHIPS AND PROJECTS

Internships

Fuzzy Control System for Forest Fire Detection (NIT Patna, Going on)
Working with a team of three peoples to design a Control System using fuzzy logic and machine learning algorithm-based model written in python programming language.
The control system will be used for forest fire prediction based on the fire causing parameters such as wind, RH, temp & rain.
Learnt the implementations of fuzzy logic in ML and how to code fuzzy logic algorithms in Python programming language using skfuzzy library.
Skills used - Machine Learning, Python, Data Analysis, Fuzzy Logic.

Projects

Image Classification using CNNs
Lead a team of 4 peoples to design and train a ML based CNN model to classify the images into its class and we used CIFAR10 dataset in this project.
We learnt how to add multiple layers in CNN effectively and learnt about overfitting of models during training.
Our model achieved a classification accuracy of 87.44 % on training dataset and 82.5% on testing dataset.
Skills used - Python, Machine Learning, Image Processing, Classification, CNN.

Comment Spam Filtering on YouTube
I along with the team of 3 members designed and trained a machine learning algorithm-based model for classification of comments of YouTube videos whether these comments are spam or non-spam.
We used five datasets containing comments (with spam and non-spam label) of five most popular YouTube videos.
We learnt how to perform binary classification and we achieved a classification accuracy of 96.21 %.
Skills used - Python, Machine Learning.

EXTRACURRICULARS AND ACHIEVEMENTS

- Secured runner up position in "Web Weaver" event in NIT Patna.
- Achieved Five Stars in Problem Solving on Hacker Rank.
- Created Binary Calculator and other basic android apps.
- Selected as House Captain in JNV Katihar.
- Regional level player of Yoga and Basketball.