SUSHANT SHEKHAR BURNAWAL

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EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2021	Bachelor of Technology Honors	Indian Institute of Technology, Kharagpur	8.15/10
2017	XII(CBSE)	Sarvodaya Senior Secondary School, Kota	87.0%
2015	X(CICSE)	St. Augustine's Day School, Kolkata	97.0%

SKILLS

Programming Languages: C/C++, R programming, Python, MATLAB, OCTAVE, XML, JAVA, CSS
Software: Adobe Photoshop, Adobe Illustrator, Solidworks, Adobe InDesign, Android Studio, MySQL, MS-Excel, MS-PowerPoint

UNDERGRADUATE AND ONLINE COURSES

Undergraduate:
Probability and Stochastic Processes | Programming and Data Structures |Basic Economics | Partial Differential Equations |
Online:
Machine Learning by Andrew NG(Coursera) | Analytics Edge (edX) | Python for Data Science (edX) | C++, JAVA (New Boston) |
Android Basics: User Interface, User Input, Data Storage, Multiscreen Apps, Networking (Udacity)

TECHNICAL EXPERIENCE

Undergraduate Research | Prof. Jhareshwar Maiti   **August 2018 - Present**
- Prediction of machinery related accidents using scarce data.
- Employed Logical Analysis of Data to the training data by the use of Data binarization, SCP and FOCUS-2 algorithms.
- Application of theory formation on the test data to predict the accidents.

Open IIT Data Analytics | IIT Kharagpur   **September 2018**
- Employed ARIMA Time Series Model to the given data of sales of medicine to predict the sales pattern in coming years
- Deduce interpretation from analyzed data to device Inventory Management Strategy to maximize profit and increase sales
- Platform used: R and MS-Excel

NetApp Data Challenge | Kshitij, IIT Kharagpur   **January 2019**
- Performed Text Classification on the given data of news Headlines and categorised them into 41 different categories
- Used TF-IDF features and Topic Modelling for feature extraction and trained data using Support Vector Machines.
- Platform used: Python and MS-Excel

APP Development | Awaaz, IIT Kharagpur   **December 2018**
- Upgraded the user interface of the Awaaz App by increasing the use of fragments, lists, array adapter etc
- Transformed the design interface and made the app more user friendly.
- Created other applications like QuakeReport which use information from USGS API to notify about earthquakes

POSITIONS OF RESPONSIBILTIY

Senior Reporter | Awaaz, IIT Kharagpur
- Designed posters for several events and monthly newsletter, reaching over entire institute community
- Sponsorship collection from local and online sponsors to raise fund for monthly publication
- Analysed the problems pertaining in the campus and took initiatives to reach out to the administration for solution
- Developed and published insights regarding several issues like mess problems, elections, placements and internships
- Currently heading and managing a team of 16 members and mentoring them.

Sub-Head Design Team | Kshitij, IIT Kharagpur
- Asia's largest techno management fest.
- Designed creative posters for several events of the fest resulting in significant increase in the reach of event.
- Involved in on campus and online publicity of fest, increasing the number of participants

ACHIEVEMENTS/AWARDS

2018 Finalists in Netapp Data Challenge, Kshitij, IIT Kharagpur
2018 Bronze in Open IIT Data Analytics, IIT Kharagpur
2018 Bronze in Biz Quiz in Kshitij, IIT Kharagpur
2017 Joint Entrance Examination (Advanced): 97.86 percentile in 200,000 candidates
2017 Joint Entrance Examination (Mains): 99.77 percentile in 1,100,000 candidates