

Sushant Shekhar Burnawal

sushant1909@iitkgp.ac.in | +91-8597165820

EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR

B.TECH, METALLURGICAL AND MATERIALS ENGINEERING
Expected June 2021
Current CGPA: 8.31/10.0

AISSCE | HIGHER SECONDARY SCHOOL CERTIFICATE(XII)

SARVODAYA SR.SECONDARY SCHOOL, KOTA
May 2016 - May 2017
Percentage: 87 Overall

CISCE | INDIAN CERTIFICATE OF SECONDARY EDUCATION(X)

ST.AUGUSTINE'S DAY SCHOOL, KOLKATA
May 2014 - May 2015
Percentage: 97 Overall

SKILLS

PROGRAMMING

C • Java • XML
CSS • Python • R
• Arduino(Basic) • C++

SOFTWARES

Adobe Photoshop • Adobe Illustrator
Solidworks • Adobe InDesign • Octave
• Android Studio • MySQL

UNDERGRADUATE

Probability and Stochastic Processes
Programming and Data Structures
Basic Electrical Technology
Partial Differential Equations
Engineering Drawing

ONLINE COURSES

Machine Learning | Coursera
Analytics Edge | edX (ongoing)
Python for data science | edX
C++, Java | The New Boston
Algorithmic Toolbox | Coursera (ongoing)
Android basics:User Input | Udacity
Android basics:Data Storage | Udacity
Android basics:Multiscreen Apps | Udacity
Android basics:Networking | Udacity

TECHNICAL EXPERIENCE

UNDERGRADUATE RESEARCH | PROF. JHARESHWAR MAITI

August 2018-present | IIT Kharagpur
Applied supervised machine learning methods such as LAD on scarce data obtained from accidents using several steps of data binarization, support set generation using FOCUS-2 algorithms and finally applying pattern generation using MILP approach ,classification accuracy was determined by theory formation on test data

OPEN IIT DATA ANALYTICS | AZAD HALL OF RESIDENCE

September 2018 | IIT Kharagpur
Worked on the problem statement provided by Insanalytics where we crawled data for Health care service through Inventory Management.Predicted and forecasted data over the stock review for Safety Stock Analysis using Time Series Decomposition using ARIMA model in R and studied certain key aspects of Inventory Management(EOQ, Max Inventory level etc).

APP DEVELOPMENT | AWAAZ, IIT KHARAGPUR

September 2018 | IIT Kharagpur
Upgraded the user interface of the Android Application by increasing the use of fragments,lists,array adapter etc. Along with several other upcoming changes in the design of the application

AUTONOMOUS WINTER WORKSHOP | IEEE

December 2017 | IIT Kharagpur
This winter workshop was organized by Technology Robotix Society and certified by IEEE. Built a gesture controlled robot which moves over an array of coloured squares and displays the colour over a screen. Intermediate autonomous robotics was taught.

POSITION OF RESPONSIBILITY

SENIOR REPORTER | AWAAZ, IIT KHARAGPUR

Expected May 2018 – May 2019 | 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 their 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

October 2018 – Present | 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

AWARDS AND ACHIEVEMENTS

- | | |
|------|---|
| 2018 | Gold in Inter-Hall choreography, Azad Hall of Residence, 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 |