

Satyam Kumar

✉ satyamkr.dce@gmail.com

🌐 [linkedin.com/in/satyam-kumar-731457178](https://www.linkedin.com/in/satyam-kumar-731457178)

☎ +91 7488393870

ACADEMIC QUALIFICATIONS

| Examination | University/ Board | Institute | Year | CGPA/ % |
|--|-------------------|---|------|---------|
| Bachelor of Technology (Computer Science & Engineering) | AKU, Patna | Darbhangha College of Engineering, Darbhanga | 2020 | 8.81 |
| Intermediate/+2 | CBSE, New Delhi | G.P.S. Najafgarh, New Delhi | 2015 | 77.20 |
| Matriculation | BSEB, Patna | High School Kolhanta Patori, Darbhanga | 2013 | 77.00 |

INDUSTRIAL TRAINING

APTRON SOLUTIONS PVT. LTD. | HADOOP DATA ANALYST, NOIDA

[June'19-Aug'19]

Successfully Completed Training on **Big Data Analytics** using **Hadoop and Spark**, and processed various raw datasets on **India Census Data Analysis, Twitter sentiment analysis**, and Submitted a Project entitled **"Bank and Book Data Analysis"**.

- Analyzed the datasets of India Census 2011 and extract effective solutions to increase the literacy rate of people (especially women's) with **"Beti Bachao, Beti Padhao"** scheme and other various government schemes for **Education, Healthcare**, and **development** activities in India using **Hadoop (HDFS, PIG, HBase, HIVE, Sqoop), Spark, SQL**, and **Python** technology.
- Analyzed the **Twitter data** of **US Airlines** and extracted negative, Positive, and neutral tweets of the public worldwide.
- Analyzed **Bank Data** of various Banks across the world and **Book Data** of **Amazon.com** and other stores, and extract outcomes for the growth and profit for the organization.

KEY PROJECTS

SOCIAL DISTANCING ALERT SYSTEM | IBM HACK CHALLENGE 2020, IBM INDIA and CALL FOR CODE 2020, SMARTBRIDGE [Apr'20- Aug'20]

Received a Certificate of Appreciation from SmartBridge for Designing an Efficient **Algorithm** and Developing an **Android Application** entitled **"Social Distancing Alert System"** to maintain **Social Distancing** among people using **Bluetooth Low Energy** proximity.

- Designed an efficient **algorithm** with the help of **Received Signal Strength Indicator (RSSI), Transmission Power (TX Power)**, and mapped it with **distance** and **signal strength** to maintain **social distancing** and **alerts people** in the **proximity of 2 meters**.
- Developed an **Android Application** in **Kotlin** using the algorithm and the Bluetooth plugins to alert people through **real-time notification alerts, vibration**, and **displaying status** on the screen of the handsets with **4 different levels** of granularity.

PUBLIC SENTIMENTS DATA VISUALIZATION DASHBOARD | SELF PROJECT

[Oct'19-Nov'19]

Designed Dynamic Dashboard for Data Visualization of Public Sentiment Analysis of US Airlines across the World on Twitter.

- Extracted **positive, negative**, and **neutral** data from datasets and designed a **dynamic web application** (dashboard) for **data visualization** using **Streamlit, Pandas, and Numpy**, etc. libraries in Python.
- Visualized sentiments data on the world map by generating a word cloud with the help of **WordCloud, Matplotlib, and Plotly Express** libraries. **Github Link:- github.com/satyamkr01**

TECHFLARE WEB APPLICATION | DARBHANGA COLLEGE OF ENGINEERING, DARBHANGA

[Aug'18-Jan'19]

Developed a Web Application for Our College to Explore Creativity of Students at one platform for all Tech Events and Activities.

- Developed a **web application** to provide a **platform** to upload creativity of our college students like technical articles, their innovations, and ideas, paintings, poems, etc. for the selection of contents for the annual magazine and other activities using **Java, HTML, CSS, JavaScript, Bootstrap** and **Oracle** database.

COVID-19 REAL-TIME STATUS DESKTOP NOTIFICATION ALERT SYSTEM | SELF PROJECT

[Mar'20-Mar'20]

Developed a COVID-19 Status Desktop Notification Application by Web Scraping using the Beautiful Soup library in Python.

- Developed application by **web scraping** from the website of the **Ministry of Health and Family Welfare**, Government of India.

TECHNICAL SKILLS

- **Programming Languages:** C, Java, C++, Python
- **Web Development:** HTML, CSS, JavaScript
- **Frameworks:** Hadoop, Spark
- **Software Skills:** SQL, GIT, Android Studio, Numpy
- **IT Constructs:** Data Structure, Algorithm, OOPs, DBMS, Operating System, Software Engineering
- **Tools:** Eclipse, Netbeans, Visual Studio

ACHIEVEMENTS & EXTRA-CURRICULARS

- Secured **1st** position in **B.Tech** examination (CSE branch in our college), 5 times out of 7 semesters, and **2nd** position in rest semesters.
- Awarded **NPTEL Gold Certification** for the course **"Programming in Java"** from **IIT Kharagpur** with a score of **94%**.
- **Asst. coordinator** of **Training & Placement Cell** at Darbhanga College of Engineering, Darbhanga.
- Secured **1st** position in **District Level 40th Jawaharlal Nehru Science Exhibition** organized by **NCERT** and **SCERT**.
- **Interests:** Doing Research work and Implementing Research Paper using Technology, Writing Technical Articles, and Poems.