# Barun Kumar

Master of Computer Application
Galgotias University

LinkedIn | Github
barunk622@gmail.com | +91-8210459427

## Educational Qualifications

| Year | Degree | Institute | Performance |
|---|---|---|---|
| 2023 - Present | MCA | Galgotias University | 7.5/10.0 |
| 2019– 2022 | BCA | Annada College, Hazaribagh | 7.21/10.0 |
| 2019 | Class 12th – JAC Board | SRSSR High School, Suriya | 1st Div |
| 2017 | Class 10th – JAC Board | SRSSR High School, Suriya | 1st Div |

## Technical Skills

- **Programming Languages -** C, C++, Python, Java, Oracle, Javascript
- **Modules/Libraries -** Numpy, Pandas, Matplotlib, OpenCV, Sklearn, Tensorflow
- **Utilities** - SQL, Git, Github, HTML, CSS, Bootstrap, Android Development

## Key Projects

**OTP Authentication**                                    *February'23*
- Developed a robust Gmail Spam Detection system utilizing Natural Language Processing (NLP)
- Utilized Python libraries like **Sklearn** for pre-processing the text into a vector for model training
- Used **Multinomial Naive Bayes Classifier** to classify emails as spam/not spam using discrete features

**Gmail Spam Detection**                                    *February'23*
- Developed a robust Gmail Spam Detection system utilizing Natural Language Processing (NLP)
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**Fraud Detection**                                    *December'22*
- Built a machine learning model **Logistic Regression** to detect fraudulent credit card transactions
- Utilized Python libraries like **Pandas** and **NumPy** for data pre-processing and sampling
- Used **confusion matrix**, **ROC curves** and **heatmaps** for evaluating the machine learning model

**Food Delivery Website**                                    *August'22*
- Developed a scalable food delivery platform with real-time order tracking and search functionalities
- Integrated **APIs** like **Google Maps** to provide advanced location-based services on the website
- Demonstrated growth in building a more complex user interfaces, showcasing improved development skill

**Hotel Management Website**                                    *May'22*
- Developed a comprehensive hotel management website with booking functionality and trip packages
- Leveraged web-dev skills in **HTML**, **CSS**, and **JavaScript** to create a user-friendly and responsive interface.
- Utilized **Git** for efficient code management and collaboration, showcasing strong technical practices.

## Relevant Courses

| | | |
|---|---|---|
| Data Structures and Algorithms | Data Communication | Database Management System |
| Software Testing and Engineering | Computer Architecture | Neural Networks |

## Extra-Curricular Activities

- Participated and won in the coding competition organized by Galgotias University.
- Codechef rating of
- Qualified to play for final (Delhi qualifier) in Battlegrounds Mobile India (PUBG India).
- Participated and won in district level cricket competition.