Aryman Gupta

Final Year (M.Tech)
Computer Science & Engineering
at NIT Rourkela

NIT Rourkela
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Links

Github:// **Aryman Gupta**
LinkedIn:// **Aryman Gupta**

Skills

OS
GNU/Linux, Windows

LANGUAGES
C/C++, Core Java, Python

DATABASES
MySQL

OTHERS
Sublime Text
Eclipse
Visual Studio
Figma

Coursework

Data Structures and Algorithms
Machine Learning
Foundation of Computer Security
Operating system
Blockchain Technology
Database management system

Education

2023-2025
M.TECH. IN CSE
(Information Security)
NIT Rourkela

2019-2023
B.TECH. IN CSE
(Information Technology)
Shri Vaishnav Vidyapeeth
Vishwavidyalaya

2018-2019
H.S.C
Global International Public School

Experience

2023 **Bonasys IT Solutions Pvt. Ltd.** **Java Developer Intern**

Diligently contributed to the 'Real-Time Table Booking in Hotel' project, refining Java programming skills and showcasing practical expertise in designing, implementing, and maintaining software solutions for dynamic, real-world applications.

Java

2022 **ARDENT Computech Pvt. Ltd.** **Industrial Training**

Completed a focused Data Science internship specializing in Artificial Intelligence, gaining hands-on experience implementing Python-based techniques, and contributing to the successful execution of a 'Stock Price Prediction' project using advanced analytical and machine learning methods.

Python, Data Preprocessing, Feature Engineering

Achievements/Certification

2022 **Data Base Management System** **NPTEL, IIT Madras**

covers relational data models, entity-relationship modeling, SQL, data normalization, and database design.

2019 **Startupweekend- Google for Startups** **Top runner up**

Pitched a startup idea, secured top votes from participants, and selected for funding during the 54-hour event.

Projects

2024 **Smart Computation Offloading and Resource Allocation in 5G Edge Computing**
Java, CloudSim, MySQL

Reviewing and analyzing advanced methods for optimizing computation offloading and resource allocation within 5G mobile edge computing frameworks by leveraging intelligent algorithms to enhance performance, reduce latency, and improve system efficiency in dynamic network scenarios.

2023 **Smart Door Lock System** *C++, MySQL*

Developed an IoT-enabled Smart Door Lock System using Arduino UnoR3, featuring a fingerprint sensor, 4x4 password panel, RFID, and a two-way communication camera for visual and verbal interaction with visitors. This system enhances security and convenience for residential and commercial use by integrating multiple authentication methods and real-time communication.

2022 **Twitter Sentiment Analysis** *ML, NLP, Python*

Given Twitter US Airline Sentiment Dataset which contained over 14000 tweets, the task of this project was to determine the emotions/sentiments of the narrator of a tweet. The principle behind the work is to check every word of the tweet and classify the tweet into [positive, negative, neutral]. Efficient text Processing was done using various NLP tools and tested against various ML classifiers to boost up the prediction score.