

# NIVAAN GUPTA

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## EDUCATION

### New York University

*Master of Science in Management & Systems*

Relevant Coursework: Information Technology & Data Analytics, Quantitative Models for Decision-Makers, Strategic Marketing

Expected Graduation: December 2024

CGPA: 3.91/4

### University of Mumbai, India

*Bachelor of Engineering in Electronics & Telecommunication*

Relevant Coursework: Big Data Analytics, OOP using Java, Database Management System, Structured Programming Approach

June 2017 – August 2021

CGPA: 7.41/10

## SOFTWARE SKILLS

- **Programming Languages:** Python, C, C++, C#, Java
- **Web & Cloud Technologies:** HTML5, CSS3, JavaScript, Bootstrap, ReactJS, NodeJS, AWS [ [Certified Cloud Practitioner](#) ]
- **Software:** Java NetBeans, Power BI, Unity, MATLAB, SAS, Cisco Packet Tracer, QlikView, Snowflake, Microsoft Office
- **Database & Platforms:** MySQL, MongoDB, DynamoDB, PostgreSQL, Apache Hive, Windows, Git, Docker, Linux

## PROFESSIONAL EXPERIENCE

### Goldman Sachs Pvt. Ltd | Analyst – Global Business Intelligence

January 2022 – January 2023

- Managed 5 data management workflows, namely, Global Interaction Database, Broker Votes Analytics, Client Consumption Reporting, Firm-wide Reference Data Management & User-Entitlements in the Global Investment Research Division
- Brought down consumption reporting time from 5 hours to 15 minutes by automating inconsistent and error-prone process
- Enabled process standardization by implementing relevant data management procedures, accelerating the workflow by 20%
- Optimized operational efficiency by working in over 10 projects on Snowflake & Python, saving 40 hours/week for the team
- Collaborated with cross-functional teams & 3<sup>rd</sup> party market vendors to ensure timely data reporting to over 100 clients

### Loopware Products Pvt. Ltd | Co-founder

January 2019 – October 2020

- Founded the start-up that provided technical consultation to over 10 startup clients on IT architecture & website development
- Developed 7 websites with robust back-end systems, ensuring seamless user experience for clients using the MERN stack
- Led a team of 3 engineers to design the cloud infrastructure of a client, enabling successful migration to AWS cloud

### India's International Movement to Unite Nations | Senior Intern

September 2017 – December 2018

- Headed 3 MUN conferences in Brazil, Nepal & Bangladesh generating \$55,000+ in gross revenue
- Executed all aspects of international MUN conferences, including budgeting, planning, logistics, & stakeholder engagement
- Onboarded various international & national organizations as partner for conferences, accumulating \$7,000+ in sponsorship

## PROJECTS

### Summarized News Web App – Shorts | Web-scraping, Python, HTML, AWS

March 2023 – April 2023

- Built a responsive website that displays summarized news with respect to the user's category selection or keyword search
- Programmed web-scraping functionality to fetch news and display it to the viewer in a user-friendly web page
- Deployed the web application as a one-stop solution for encapsulated news on the public internet using AWS ec2

### The Checkers Game Bot | Artificial Intelligence, Data Structure Algorithms, Python

January 2023 – February 2023

- Coded the Checkers game bot by applying artificial intelligence techniques to create a competitive computer player
- Utilized minimax algorithm that uses a tree data structure to predict & score user's future moves to decide the ongoing move
- Applied Object Oriented Programming principals to each component of the game to make it robust and scalable

### Restaurant Management Desktop App | Java, Java Database Connectivity, MySQL

January 2020 – April 2020

- Created a Desktop Application that utilizes Java Database Connectivity to collect, store & modify huge volumes of orders
- Enabled smooth transition to digitized record-keeping by utilizing Java NetBeans GUI to create a user-friendly app interface
- Implemented the app in cafes to save 20 hours/week of manual work which saved \$240 per week upon usage of the app

## PUBLICATIONS

### Temperature Actuated Non-Touch Automatic Door | Arduino, C++

June 2020 – October 2021

- Authored and published the technical paper titled, "Temperature actuated non-touch automatic door" in IEEE Xplore ICOSSEC, presented at ICOSSEC 2021 IEEE Conference, on 11/12/2021 [ <https://ieeexplore.ieee.org/document/9591951> ]
- Devised a programmable door-extension that detects symptoms of COVID19 pandemic in people aiming to reduce its spread
- Designed the logic on Arduino using C++ to convert digital inputs to outputs facilitating the operations of the prototype
- Improved campus safety by setting up the prototype in class rooms & reporting 25+ fever cases to campus authorities

## EXTRA CURRICULAR ACTIVITIES

- **Mindfulness Education Lab, New York University:** Assist as a graduate researcher to develop software that bolster the lab's mission of mindfulness, designed & coded "The Mindfulness Game" that makes a teenager 30% more likely to meditate
- **Metaverse Club, New York University:** Organized awareness campaigns for educating students about New York University's Block-chain initiatives, VR headset labs & NFT 'artlab' that was attended by over 1,500 students
- **Entrepreneurship Cell, University of Mumbai:** Partnered with various startups in the forum as an active member to provide guidance and technical consultation to over 20 startups within the university
- **Indian International Model United Nations, Nepal:** Chaired the World Health Organization committee with over 100 students to encourage research on current affairs and public speaking