

# Yash Gupta

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## EDUCATION

### USICT ( GGSIPU - Main Campus)

Btech in Information Technology

New Delhi, India

Expected Graduation, September 2026

- **Concentrations:** Information technology (CGPA - 8.38)
- **Related Coursework:** Data Analytics, Statistics & Applications, Data Structures & Algorithms, Computer Organization & Programming, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Computer Graphics

### Delhi Public School, Vasant Kunj

New Delhi, India

- Class 12th (CBSE) - 93 %  
2021 - 2022
- Class 10th (CBSE) - 97 %  
2019 - 2020

## EXPERIENCE

### Bitonic Labs (Yellow.AI)

AI Engineering Intern

February 2025 - August 2025

- Working on **Agentic Discovery Effectiveness** and enhancing Discovery X, Yellow.ai's AI agent for improved ticketing automation and resolution.
- Built and tested **LLM guardrails** to ensure safe, reliable, and context-aware AI chatbot interactions.
- Contributed to **Alpha**, Yellow.ai's new chatbot generation model, including **Scenario Testing** for automated AI-generated test cases.

### Tech Mahindra

Data Science and Big Data Intern

July 2024 - August 2024

- Enhanced understanding of Data Science concepts, covering Python, **Machine Learning (ML)**, **Deep Learning (DL)**, and **Natural Language Processing (NLP)**. Building **predictive models** to inform business decisions.
- Created and optimized interactive **Power BI** and **Tableau dashboards**, delivering clear, visual insights for informed decision-making.
- Worked with **Hadoop**, **MapReduce**, **YARN**, **Hive**, **Spark**, **Scala**, and implemented solutions on **Data Bricks**.

### IBM (CSR Box)

Data Analyst Intern

June 2024

- Analyzed large datasets using **Apache Hadoop and Spark**, identifying trends to inform business decisions.
- Developed data visualizations with **Power BI and Tableau**, improving data comprehension.
- Utilized **Python, SQL, and R** for data manipulation, enhancing strategic initiatives and operational efficiency.

### Bharti Airtel Pvt. Ltd.

Cybersecurity Intern

August 2023 - October 2023

- Conducted **vulnerability assessments** and **penetration testing** for Airtel's network.
- Actively tested and secured web applications, addressing **XSS and SQL injection**.
- Utilized security tools like **Burp Suite**, **Wireshark**, and **SQLMap**, providing valuable recommendations.

## ACADEMIC PROJECTS

### Shivaay Learning Assistant AI [GitHub](#)

- Developed an **AI-powered personalized learning assistant** that provides intelligent tutoring and answers user queries.
- Implemented transformers-based models to analyze user interactions and improve adaptive learning experiences.
- Integrated real-time response generation and contextual learning, enhancing user engagement and retention..

### Finance Stock AI [GitHub](#)

- Developed an **AI-driven financial assistant** using Streamlit, FAISS, LangChain, and Yahoo Finance for real-time and historical stock market analysis.
- Built an interactive dashboard using Streamlit to provide **dynamic financial data visualization** and analysis.
- Leveraged LangChain to **automate data retrieval** and financial recommendations, enhancing decision-making for users.

### Automating Crypto Website API [GitHub](#)

- Built an **automated system** that fetches and analyzes **real-time cryptocurrency market data** using APIs.
- Applied **time-series forecasting techniques** to predict price trends and market volatility.

## **PUBLICATIONS**

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- **Cybersecurity in the Banking Sector: Balancing Progress and Protection Amidst a Digital Revolution** – Presented at National Conference on Cyber Crimes and Artificial Intelligence at TNNLU, **October 2024**.
- **Unlocking Synergies: Blockchain and AI in the Evolution of Financial Markets** – Centre for Academic Research and Excellence (CARE), **September 2024**.
- **Crossing Boundaries: The Integration of AI and Machine Learning in Varied Domains** – Journal of Emerging Technologies and Innovative Research (JETIR), **August 2024**.

## **ACTIVITIES AND LEADERSHIP**

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### **Muskurahat Foundation**

**June 2023 – July 2023**

#### *Fundraising Internship*

- Successfully raised Rs 3811/- through innovative fundraising initiatives during a Fundraising Internship at the Muskurahat Foundation, benefiting children in need of support.

### **Srijan Science Club**

**GGSIU**

#### *Social Media Head / Technical Head*

**Dec 2022 – Dec 2024**

- Leader of an organization of 100+ members, hosting religious events, managing a board of executives, and activities being undertaken in our college

## **SKILLS**

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**Programming:** Python, GenAI, Machine Learning, Deep Learning, SQL, NLP, C++, C, R, HTML/CSS, Unix, Scala

**Tools:** Jupyter Notebooks, Streamlit, Figma, Burp Suite, Langchain, Huggingface, MS Excel, Tableau, MAMP, Docker, Databricks