

# Vipul Sagar

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## PROFESSIONAL SUMMARY

Pre-final year AI and Data Science student specializing in Machine Learning, Frontend Development, and AI Tool Integration. Ex-Intern at Indian Cybercrime Coordination Center (I4C), MHA with proven expertise in data analytics, visualization, and intelligent system development. AI Tool Expert with hands-on experience in modern AI platforms and automation tools. Third Runner Up at Smart Delhi Ideathon with demonstrated skills in building end-to-end solutions using Python, SQL, and cutting-edge AI technologies.

## TECHNICAL SKILLS

**AI Tools & Platforms:** ChatGPT, Claude, GitHub Copilot, OpenAI API

**Programming Languages:** Python, SQL, Java, Frontend Development

**AI/ML Technologies:** Machine Learning, Deep Learning, NLP, Large Language Models (LLMs)

**Data Analysis & Visualization:** Microsoft Excel, Data Cleaning, Data Analysis, Analytical Skills

**Databases & Storage:** PostgreSQL, MongoDB, Neo4j (Graph Database), MySQL

**Frameworks & Libraries:** scikit-learn, Pandas, NumPy, Matplotlib, Seaborn

**Tools & Platforms:** Git, Google Colab, Jupyter, VS Code

**Soft Skills:** Communication, Management, Problem Solving, Team Collaboration, Leadership

## PROFESSIONAL EXPERIENCE

### Data Analytics Intern

June 2025 – Aug 2025

Indian Cybercrime Coordination Center (I4C), Ministry of Home Affairs

New Delhi, India

- Designed and developed interactive dashboard for cybercrime data analysis, serving 1000+ law enforcement officials
- Implemented robust data ingestion pipelines using PostgreSQL and MongoDB for structured and unstructured crime reports
- Built graph-based data models using Neo4j to visualize complex relationships between cases, suspects, and digital evidence
- Improved data reporting efficiency by 1000%, enabling real-time insights for critical decision-making processes
- Collaborated with cross-functional teams to deliver scalable solutions for national cybercrime coordination

## EDUCATION

### Bachelor of Technology - Artificial Intelligence and Data Science

2023 – 2027

Vivekananda Institute of Professional Studies, Guru Gobind Singh Indraprastha University

Delhi, India

- Current CGPA: 8.5/10.0
- Relevant Coursework: Machine Learning, Deep Learning, Data Structures, Algorithms, Database Management, Statistics

### Senior Secondary Education (CBSE)

2022 – 2023

Guru Harkrishan Public School

Delhi, India

- Percentage: 82% | Subjects: Physics, Chemistry, Mathematics, Computer Science, English

### Secondary Education (CBSE)

2020 – 2021

Victor Public School

Delhi, India

- Percentage: 92% | All subjects with distinction

## PROJECTS & ACHIEVEMENTS

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### Women Safety Web Application - Smart Delhi Ideathon

2025

- Developed full-stack web application for women's safety featuring real-time GPS tracking and emergency alert system
- Implemented machine learning algorithms for risk assessment and safe route recommendation
- Secured 3rd Runner Up position among 500+ teams, recognized by Lt. Governor of Delhi
- Technologies: Python Flask, JavaScript, HTML/CSS, PostgreSQL, Google Maps API

### Cardiovascular Disease Prediction System

2025

- Built ensemble machine learning models (Random Forest, SVM, Neural Networks) for early heart disease prediction
- Achieved 97-98% accuracy through feature engineering and hyperparameter optimization
- Deployed web application using Flask with user-friendly interface for medical professionals
- Processed and analyzed dataset of 10,00+ patient records with 14 clinical parameters

## CERTIFICATIONS & TRAINING

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- **Data Analytics and Visualization Job Simulation** - Accenture (January 2025)
- **Gen AI Job Simulation** - BCG X (January 2025)
- **Introduction to Data Analysis using Microsoft Excel** - Coursera

## ADDITIONAL INFORMATION

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- **Languages:** English (Professional), Hindi (Native), Punjabi (Conversational)
- **Interests:** Guitar Playing, AI Research, Technology Innovation
- **Leadership:** Technical Team Lead for college club, organized 3 technical workshops