

# Harsh Singh

 [github.com/harsh903](https://github.com/harsh903)   <https://www.linkedin.com/in/harshsingh12/>  [harshpapratapsingh@gmail.com](mailto:harshpapratapsingh@gmail.com)

## Education

---

- **Indian Institute of Technology, Madras** 2022-25  
*Bachelors of Science in Data Science and Applications* CGPA: 8.09
- **Hi-Tech Institute of Engineering and Technology** 2020-23  
*Bachelor of Business Administration* Percentage: 69.6

## Personal Projects

---

- **EasyDoc Web Application** Jan 2023 - Jan 2023  
*Implemented NLP features, including summarization, a Question and Answering system, and keyword extraction.*
  - Tools & technologies used: Python, NLTK, Spacy, BERT and Hugging face transformers
  - Improved reading comprehension by automating content summarization, resulting in a 25 percent reduction in errors and a 30 percent increase in content understanding
- **Library Fee Management System** April 2023 - April 2023  
*Developed a library fee management system.*
  - Tools & technologies used: Python, Flask, SQLite, HTML and CSS
  - Streamlined library fee processes, resulting in a 40 percent reduction in processing time and a 25 percent decrease in fee-related errors. Improved user satisfaction through efficient fee management.
- **Hate Speech Detection** June 2023 - June 2023  
*Developed a hate speech detection model using Twitter data*
  - Tools & technologies used: Python, Scikit-learn, TensorFlow/Keras, Pandas, and Matplotlib
  - Continuously refined the model through iterative updates, Support Vector Classification (SVC), achieving an accuracy rate of 89 percent.

## Technical Skills and Interests

---

**Languages and core skills:** Python, Machine learning, Natural Processing Language (NLP), Data Analytics

**Tools and Libraries:** Tableau, Power BI, MS Excel, GitHub, Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow

**Frameworks:** Flask, Streamlit

**Cloud/Databases:** Relational Database(MySQL)

**Soft Skills:** Self-learning, Analytical, Adaptability

**Coursework:** Statistics, Mathematics, Computational Thinking, Machine Learning, Business Data Management

**Areas of Interest:** Machine learning, Data Analytics

## Positions of Responsibility

---

- **Sponsorship Coordinator**, Technical Events Core - Paradox, IIT Madras Feb 2023- May 2023
  - Efficiently delegated tasks, set clear targets, and closely monitored progress, leading to a 20 percent increase in successful sponsorship acquisitions through strong team collaboration.
  - Key contributor in logistics coordination for sponsorship, ensuring 100 percent fulfillment of sponsorship agreements by seamlessly liaising with event teams.

## Achievements

---

- **3rd place in IIT Madras organized Datahacks Hackathon** Dec 2022 - Dec 2022
  - led team to deliver functional prototype.