# Harshvardhan Sharma

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## Education

**Dr. SPM International Institute of Information Technology Naya Raipur**  Nov 2022 – Present
*Bachelor of Technology, Data Science and Artificial Intelligence*  *CGPA: 9.47*

**Ryan International School**  Jun 2021 – Jul 2022
*CBSE Board, Class - XII*  *97.2%*

## Relevant Coursework

- Data Structures
- Machine Learning
- Artificial Intelligence
- Algorithms
- Data Analytics
- Database Management
- Front-end Development
- Deep Learning

## Projects

**Applicant Tracking System** | *Python, NLP, Machine Learning, Full Stack Web Development*  Jan 2024 – May 2024

- Developed a sophisticated system that analyzed and categorized job descriptions, parsing key qualifications and skills; streamlined the hiring process for 20+ positions by ensuring alignment with candidate profiles.
- ML algorithms then employ semantic matching to identify the most relevant candidates, providing accurate resume ranking and scoring.
- Candidate profiling is enriched with qualitative aspects extracted by NLP, creating comprehensive candidate profiles.
- The user interacts with the ATS through a full stack web interface, featuring real-time updates, notifications, and a secure environment that complies with data protection regulations.

**Social Media Sentiment Analysis** | *Python, NLP, Full Stack Web Development*  Sep 2023 – Dec 2023

- Developed a machine learning model for sentiment analysis across Twitter and YouTube, achieving a 95%+ accuracy rate in categorizing user sentiments.
- Facilitated actionable insights for marketing strategies based on real-time feedback from a dataset of over 1,000,000+ entries.
- Social media significantly influences public opinions and ideas, making it crucial to analyze the sentiments expressed on these platforms.
- Understanding these sentiments helps in gaining insights into trends, perceptions, and the overall impact of social media on society.

**House Price Prediction Model** | *Python, Machine Learning, Full Stack Web Development*  Mar 2023 – Jun 2023

- This project focuses on identifying and finalizing the most suitable house for an individual based on their specific conditions and requirements by achieving a model accuracy of 96%.
- It leverages fundamental Machine Learning techniques for Exploratory Data Analysis (EDA) and Data Visualization. And deploys the model using a Full Stack Website that runs on Flask.
- Additionally, the project incorporates an introduction to Linear Regression, which is used to analyze continuous data and develop predictive models.
- This approach helps in making informed decisions by modeling relationships between variables and forecasting outcomes.

## Technical Skills

**Languages**: Python, C, C++, HTML/CSS, SQL, Tensorflow
**Technologies/Frameworks**: MySQL, Tableau, Microsoft Excel, GitHub, NumPy, Pandas, Matplotlib, Sci-Kit Learn

## Languages and Hobbies

- English : Professional Proficiency
- Cinephile
- Hindi : Native Proficiency
- Sports and Fitness Enthusiast

## Achievements

**AI Based Flappy Bird Game with Dynamic Level Generation**  Mar 2024
*Issued by IEEE IATMSI*  *Certificate of Appreciation*

**Secured 6$^{th}$/25 Rank in DataPunk Observation Days Kaggle Contest**  Feb 2024
*Hosted by Technovate IIIT Naya Raipur*  *Kaggle Contest*