Ishaan Ajay Sharma

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EDUCATION

Vellore Institute of Technology — **Vellore, Tamil Nadu, India**
B.Tech in Computer Science and Engineering; CGPA: 8.7 — *August 2021 - April 2025*

Suryadatta National School — **Pune, Maharashtra, India**
12th Standard; Percentage: 79.4% — *June 2019 - April 2021*

Vidya Valley School — **Pune, Maharashtra, India**
10th Standard; Percentage: 89% — *June 2015 - May 2019*

WORK EXPERIENCE

Intern
Havells, Noida, India — *June 2024 - July 2024*

- During my internship at Havells India:
  - Implemented an automation solution using Automation Anywhere to efficiently handle Excel data.
  - Automated downloading, filtering, and storing of Excel files, reducing manual processing time by 30%.
  - Implemented error handling and adapted the solution for diverse datasets.
  - Gained hands-on experience in RPA technology, enhancing problem-solving skills.

Student Trainee
C-Dot, Delhi, India — *August 2023 - October 2023*

- As a research intern at C-Dot:
  - Focused on 5G architecture with an emphasis on xApp implementation within the test band team.
  - Investigated the RAN Intelligence Controller (RIC) to optimize radio resources in 5G networks.
  - Explored xApp development to enhance network performance and efficiency within the RIC framework.
  - Gained insights into cutting-edge technologies driving the future of mobile networks.

PROJECTS

- **Stock Price Prediction Using LSTM (Ongoing)**
  I am currently developing a stock price prediction model using Long Short-Term Memory (LSTM) networks. The project involves analyzing historical stock data, preprocessing it for time series analysis, and building a deep learning model to forecast future price trends. The focus is on improving model accuracy through hyperparameter tuning, with performance evaluated using metrics such as RMSE and MAE, aiming for a 10% improvement in prediction accuracy.

- **Movie Recommendation System**
  I created a Movie Recommendation System using machine learning algorithms with sklearn. The system utilized CountVectorizer for feature extraction, processing up to 5,000 features with stop words removed. Multiple models were evaluated to identify the most accurate for personalized recommendations, leading to an accuracy improvement of 15%. The system employed both collaborative and content-based filtering techniques, with performance assessed using precision, recall, and F1-score metrics, achieving an F1-score of 0.85.

- **Automated Data Extraction and Processing Using RPA**
  I developed an automated solution using Automation Anywhere to streamline data extraction and processing tasks, reducing manual effort by 30%. The project automated the download of Excel files from a designated website, filtered the data based on specific criteria, and stored the relevant information in a new workbook, which improved data accuracy by 25%. processing over 1,000 datasets monthly, the solution increased overall workflow efficiency by 30%.

CERTIFICATES

- AWS Certified Cloud Practitioner Link
- The Power of Social Media and Effects on Children Teach-Out - University of Michigan Link
- Digital Skills: Artificial Intelligence Link

TECHNICAL SKILLS

Programming Languages: C++, Java
Concepts: Agile Methodology, Cloud Computing, DBMS
Technical Expertise: ML, DL, RPA, Automation Anywhere, Excel, Stakeholder Management