ARJUN SHARMA

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EDUCATION

Bachelor of Technology - Computer Science & Engineering *Aug 2024 - Present*

Indian Institute of Technology (IIT), Hyderabad

CGPA: 8.5/10 (First Semester) | **Relevant Coursework:** Data Structures, Programming in C, Linear Algebra, Discrete Mathematics

Higher Secondary Education (XII) *2022 - 2024*

Delhi Public School, New Delhi

Percentage: 96.5% | **Stream:** Science with Computer Science

TECHNICAL SKILLS

Programming: Python, C/C++, JavaScript, SQL

AI/ML Libraries: NumPy, Pandas, Scikit-learn, TensorFlow (Basic), Matplotlib, Seaborn

Tools & Platforms: Git/GitHub, Jupyter Notebook, Google Colab, VS Code, Linux

Concepts: Machine Learning Basics, Data Analysis, Neural Networks (Learning), Statistics

PROJECTS

Stock Price Prediction Model *Oct 2024 - Nov 2024*

Personal Project | GitHub Link

- Developed a machine learning model using Python and Scikit-learn to predict stock prices
- Implemented Linear Regression and Random Forest algorithms achieving 82% accuracy
- Created data visualizations using Matplotlib to analyze market trends
- Collected and preprocessed historical stock data using Pandas and NumPy

Sentiment Analysis Web Application *Sep 2024 - Oct 2024*

Academic Project | GitHub Link

- Built a web application to analyze sentiment of product reviews using Natural Language Processing
- Implemented text preprocessing techniques including tokenization and lemmatization
- Achieved 78% accuracy using Naive Bayes classifier on a dataset of 10,000 reviews
- Deployed the application using Flask framework for real-time analysis

Handwritten Digit Recognition System *Aug 2024 - Sep 2024*

Course Project | GitHub Link

- Implemented a neural network from scratch using Python to recognize handwritten digits
- Trained the model on MNIST dataset achieving 94% accuracy
- Applied data augmentation techniques to improve model generalization
- Created interactive visualization to demonstrate real-time digit recognition

CERTIFICATIONS & ONLINE COURSES

- **Machine Learning by Stanford University** - Coursera (In Progress)
- **Python for Data Science** - IBM (Completed, Nov 2024)
- **Deep Learning Specialization** - deeplearning.ai (Module 1 Completed)
- **Data Structures and Algorithms** - GeeksforGeeks (Certificate)

ACHIEVEMENTS & EXTRA-CURRICULAR

- **Google Code-in Participant** - Contributed to 3 open-source projects (2024)
- **National Science Olympiad** - State Level Winner (2023)
- **Hackathon Participant** - Smart India Hackathon, College Round Qualifier
- **Technical Club Member** - AI/ML Club, IIT Hyderabad
- **Programming Contest** - Ranked 156 in CodeChef October Long Challenge

ADDITIONAL INFORMATION

- **Languages:** English (Fluent), Hindi (Native), Telugu (Basic)
- **Interests:** Machine Learning Research, Open Source Contributing, Competitive Programming
- **Availability:** Available for 2-3 month internships (Remote/Hybrid/On-site in India)