

# SPARSH TRIPATHI

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Examination	Majors	Institute	Year	CPI/%
Graduation	BTech CSE Core	VIT Bhopal University	2022-2026	7.95
ICSE	12	BOYS HIGH SCHOOL, PRAYAGRAJ	2021	91.2
ICSE	10	BOYS HIGH SCHOOL, PRAYAGRAJ	2019	89

## SUMMARY

Aspiring AI/ML Engineer skilled in deep learning, full stack development, and cloud computing. Experience in Neural Networks (CNN, RNN), AI model deployment, and recommendation systems. Solved 130+ LeetCode problems, participated in competitive programming, and built scalable AI solutions.

## TECHNICAL SKILLS

Programming	Java (OOPs), Python, C, C++
AI/ML Frameworks	TensorFlow, PyTorch, Keras
Data Science	Pandas, NumPy, Scikit-learn, Matplotlib
Deep Learning	CNN, RNN, Recommender Systems, NLP
Web Development	HTML, CSS, JavaScript, React, Node.js, Express.js
Competitive Coding	LeetCode (130+), Codeforces (35 problems, Rating 575)
Languages	English, Hindi, Learning Japanese (JLPT N5)

## PROJECTS

### Machine Learning and Development Projects

#### House Price Prediction (ML — Regression Model)

- Built a predictive model using Linear Regression & Decision Trees.
- Achieved 92% accuracy using feature engineering.

#### Car Showroom Management System (Java OOPs)

- Developed a Java-based inventory system using Object-Oriented Programming.
- Implemented file handling, data storage, and CRUD operations.

#### Customer Churn Prediction (ML — Classification Model)

- Built a classification model using Random Forest & Logistic Regression to predict customer churn.
- Improved model precision by 15% through hyperparameter tuning.

#### IPL Data Analysis (Data Science — Python)

- Performed EDA (Exploratory Data Analysis) on IPL dataset using Pandas & Matplotlib.
- Generated insights on team performance, player stats, and match-winning patterns.

#### Stock Price Prediction (AI — Time Series Forecasting)

- Developed an LSTM-based time series model to predict stock prices with 85% accuracy.
- Used historical stock data and optimized with hyperparameter tuning.

## ACHIEVEMENTS & CERTIFICATIONS

- Solved 130+ LeetCode Questions — Rating: 1421    -    Codeforces Rating: 575 — Solved 35+ Problems
- Captained College Football Team, winning 4 titles
- DSA (Java) Bootcamp – Udemy
- Full-Stack Development Bootcamp, UI/UX – Udemy
- IBM Professional AI Engineer Certification – Coursera
- IBM Generative AI Certification – Completed
- Cloud Computing – NPTEL