

RAJVEER BISHNOI

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EDUCATION

Scaler School of Technology Bengaluru, India • 2024 – 2028

B.Sc. in Computer Science & Engineering • CGPA: 7.85/10

- **Top 7.5% in Classical Machine Learning (A* Grade)** among entire batch
- **Sports-Committee President** — Leading college sports initiatives

Delhi Public School Jodhpur Jodhpur, India

High School Diploma • Cultural Captain

- **U-17 & U-19 Basketball State Player • District Gold Medalist**

TECHNICAL SKILLS

ML & AI	scikit-learn, XGBoost, CatBoost, LightGBM, SHAP, RFE, Model Evaluation
Deep Learning	LSTM, Autoencoders, PyTorch (basics)
Languages	Python (Advanced), JavaScript, TypeScript, Java, SQL
Backend	Express.js, Node.js, REST APIs, JWT Authentication
Data & Tools	pandas, NumPy, Matplotlib, Git, Docker, Jupyter

MACHINE LEARNING PROJECTS

Student Attendance Prediction System Python, scikit-learn, XGBoost, LightGBM

github.com/RAJVEER42/Proxy--

★ **Certificate of Excellence — College Recognition**

- Built predictive ML system achieving **84% R² accuracy** for attendance forecasting
- Engineered trend-based features: previous attendance, day-of-week patterns, temporal indicators
- Applied **RFE** for feature selection; benchmarked 7 algorithms with R², MAE, MSE metrics
- **Key Insight:** Linear models outperformed boosting due to linear feature relationships

Student Performance Prediction Python, scikit-learn, XGBoost, CatBoost

github.com/RAJVEER42/ML_PROJECT

- Built **production-ready ML pipeline** with modular data ingestion, transformation, training
- Evaluated 8+ algorithms; created custom exception handling and real-time prediction pipeline

Network Security ML — Intrusion Detection Python, LSTM, Autoencoders, SHAP

github.com/RAJVEER42/Network_Security_ML

- Developed pipelines for intrusion detection on NSL-KDD, CIC-IDS2017 datasets
- Addressed **class imbalance** (SMOTE, focal loss); applied **SHAP** for explainability
- Optimized for production: **<10ms inference latency**, streaming data handling

BACKEND PROJECT

URL Shortener Service Express.js, Node.js, JWT, REST API

github.com/RAJVEER42/URL_shortner

- Built RESTful API with JWT authentication and modular routing architecture

LEADERSHIP EXPERIENCE

Sports-Committee President *Scaler School of Technology* • 2024 – Present

- Organizing inter-college tournaments and managing events for 500+ students

School Captain *New Era High School* • 2016 – 2020

- Led Student Council, Annual Fest, Event & Cultural Committee; U-14 Basketball Captain

AWARDS & ACHIEVEMENTS

- **Certificate of Excellence** — Student Attendance Prediction Project
- **Top 7.5%** — Classical Machine Learning at Scaler School of Technology
- **Gold Medal** — U-17 & U-19 District Basketball Tournament (State Player)

RELEVANT COURSEWORK

Machine Learning • Data Structures & Algorithms • OOP • Database Systems • Statistics & Probability

Why SmartScore: Built ML systems for **education domain** (Student Performance & Attendance Prediction). Experienced in model evaluation, failure case analysis, and explainability (SHAP). Strong leadership from managing teams as School Captain and Sports-Committee President.