

Ronit Prasad

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EDUCATION

BSC-IT Animation Department, Gujarat university

2021 –

2024

Gujarat University, Ahmedabad, Gujarat

CGPA: 7.49

Secondary School

2018 –

2019

Delhi Public School, Jamshedpur, Jharkhand

Percentage:

69%

Senior School

2020 –

2021

Delhi Public School, Jamshedpur, Jharkhand

Percentage:

72%

Experience

INTERNSHIP

March

2025 –

May 2025

Zidio Development / Data Science & Analytics Intern

Online

Internship

- **Developed and Implemented** data-driven solutions in a rapidly growing product-based startup dedicated to advancing in the age of AI.
- **Collaborated** with cross-functional team members (design, development, testing) to design, code, and validate new analytical features.
- **Conducted** targeted **Research and Analysis** to provide data support for ongoing, real-world development projects.
- **Participated** actively in project planning and review meetings, contributing to strategic direction and feature roadmap development.
- **Gained hands-on experience** with the latest industry-required technologies and product development cycles.

Projects

IPL Data Analysis Project | Research Project April 2025 – June 2025

- **Objective:** Conducted a comprehensive analysis of Indian Premier League (IPL) data using **Python** to extract, transform, and load match and player statistics.

- **Tools:** Python (Pandas, NumPy), Matplotlib/Seaborn (for visualization), Scikit-learn (for prediction model).
- **Key Features/Analysis:**
- **Match & Team Performance:** Analysed team win/loss records, run rates, and performance trends, visualizing match results and team form.
- **Statistical Analysis:** Developed **Player Statistics & Rankings** by calculating and comparing batsman performance metrics and bowler statistics.
- **Impact Study:** Investigated the **Venue & Toss Impact** by analyzing home advantage, pitch behavior patterns, and the toss's effect on match outcomes.
- **Predictive Modelling:** Built a **Win Prediction** model using historical data to forecast match outcomes and analyze the impact of player and team form.
- **Comparative Analysis:** Performed **Head-to-Head Comparisons** to analyze team vs. team and player vs. player historical performance patterns.
- **Result (Crucial!):** *You must add a quantified result here. For example:*
- *Developed a match outcome prediction model with **75% accuracy** using classification algorithms.*
- *Identified that teams batting second had a **15% higher** win probability at specific high-scoring venues.*

Cryptocurrency Volatility Prediction

2025

- **Objective:** Developed a machine learning pipeline to **forecast periods of heightened volatility** for **50+ cryptocurrencies** using historical OHLCV and market cap data.
- **Methodology & Modelling:**
 - **Engineered** complex features, including volatility metrics and technical indicators, to enhance predictive power.
 - **Trained and evaluated** multiple time-series models, including **Random Forest** and **XGBoost**, utilizing time-based cross-validation for realistic performance assessment.
 - Evaluated model performance using industry-standard metrics: **RMSE, MAE, and R^2** .
- **Technology Stack (Tools):** Python, Pandas, NumPy, Scikit-learn, XGBoost, TensorFlow/Torch (Deep Learning libraries), and Streamlit for deployment.
- **Deployment:** **Designed and deployed** an interactive dashboard using **Streamlit** to visualize predicted vs. actual volatility and key insights for immediate use.
- **Result (MUST be filled in):** *[Achieved the best model (e.g., XGBoost) with an R^2 of **0.XX** (e.g., 0.78), demonstrating strong alignment between predicted and actual volatility.]*

Vacation-Villa (Airbnb Clone)

2023

- **Objective:** Developed and deployed a **fully functional vacation rental booking platform (Vacation-Villa)** from scratch using the **MERN Stack (MongoDB, Express.js, React, Node.js)**.
- **Technical Stack:**
 - **Frontend:** React.js with functional components and hooks for state management, styled using Tailwind CSS for a fully responsive UI.
 - **Backend:** Node.js and Express.js to build secure RESTful APIs for user authentication, listing creation, and bookings.
 - **Database:** Designed and managed a non-relational database (MongoDB) to store complex data schemas for properties, user profiles, and transactional bookings.

- **Key Features:** Implemented essential features including user authentication (JWT), property listing (CRUD operations), dynamic filtering/search, and a real-time booking/availability system.
- **Data Management Focus:** Handled data validation and integrity across the stack, ensuring secure and reliable storage of user and financial transaction data.

Technical Skills

Programming Languages: Python, R, Tableau, SQL, Power-Bi, MS-Office

Tools & Software: VS Code, GitHub, AWS

Core Subjects: Machine Learning and Predictive Analytics, Programming and Data Manipulation

Soft Skills: Team Leader, Good communication skills.

Certifications

Deloitte Virtual Certification Course

2025

- Completed certification course on Data-Analytics integrated with AI

Programming Data Structure and Algorithms using Python – NPTEL Swayam

SEP 2025

- Completed structured online course conducted by IIT via NPTEL-Swayam platform with 80% score
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