Pratham Satani

Bachelor of Technology – Information Technology | Anand, Gujarat, India

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EDUCATION

Birla Vishwakarma Mahavidyalaya — **Anand, Gujarat, India**
- Bachelor of Technology, Information Technology (CPI: 7.53/10; GPA 3.23/4) — 2021 – 2025

The Aditya Birla Public School — **Bharuch, Gujarat, India**
- HSC, Central Board of Secondary Education, 85.4 % — 2021
- SSC, Central Board of Secondary Education, 87.6 % — 2019

SKILLS & INTERESTS

Technical Skills Python (proficient), Java, UNIX/Linux

Soft Skills Problem Solving, Collaboration, Decision Making, Teamwork

Frameworks TensorFlow, PyTorch, Keras, Scikit Learn, Django, etc.

Interests Photography, Gaming, Sports, Cards, Motorsports, Equity Markets

INTERNSHIPS

Edunet Foundation – AI Saksham — **Anand, Gujarat, India**
Student Intern — April – May 2023
- 3 weeks training program on Industrial AI
- Gained insights into developing AI for supplementing Industrial Use – Cases.
- Learnt Advanced Python Programming, creating ML Models, cloud deployment of ML models.

PERSONAL PROJECTS

Stock Price Prediction System – Python, Tensorflow, Django — January 2024 – May 2024
- **Developed a comprehensive financial forecasting platform:** Implemented machine learning models, including LSTM, to predict short-term stock price movements, providing investors with actionable insights.
- **Integrated market sentiment analysis:** Utilized natural language processing to analyse news articles and social media, identifying trends and shifts in investor sentiment to inform trading strategies.
- **Designed an intuitive user interface:** Created a web application using Django and TradingView widgets having customizable technical charts and indicators, enhancing user experience for both novice and experienced investors.

KrishiMitra – AI-powered Smart Farming Solution – Python, Scikit-Learn, Django — June 2024 – July 2024
- **Developed a Machine Learning-based crop yield prediction system:** Utilized datasets and AI/ML models to forecast crop yields, aiding farmers, and agricultural planners in making informed decisions.
- **Integrated advanced data processing and model training techniques:** Implemented data preprocessing methods and ensemble modelling to improve prediction accuracy.
- **Designed a user-friendly web and mobile interface:** Created a seamless application experience using Django, Tailwind, and Flutter, providing users with an accessible platform for inputting data and retrieving yield predictions.

EXTRACURRICULAR ACTIVITIES

IEEE Computer Society — **Anand, Gujarat, India**
Secretary, IEEE Computer Society BVM Student Branch — Spring 2023 – Ongoing
- Organized and led 5 events, 1 workshop, and 3 expert sessions.
- Managed a team of over 10 members, delegating tasks efficiently.
- Won the Best Student Branch of the Year award at the annual IEEE Sampark gathering.

Machine Learning Club — **Anand, Gujarat, India**
Chairperson, BVM ML Club — Winter 2023 – Ongoing
- Led a team of 15 members in tackling diverse ML challenges.
- Developed projects for campus-wide implementation, including a Smart Attendance system.
- Addressed real-world issues through initiatives like Automated Attendance.

CERTIFICATIONS AND BADGES

[**Google**: Develop GenAI Apps with Gemini and Streamlit | May 2024](#)

[**Google**: Prompt Design in Vertex AI | May 2024](#)

[**IIIT Delhi, IIT Ropar**: Affective Computing | May 2024](#)

[**IIT Ropar**: Social Networks | November 2023](#)

[**freeCodeCamp.org**: Scientific Computing with Python | June 2023](#)