

SOURAV KUMAR SAMANT

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EDUCATION

B.Tech in Data Science | Indian Institute of Technology, Mandi

Nov 2020 – June 2024

- **Relevant Courses** - Basics of Communication Skill, Principle Of Economics, Linear Algebra, Data Science, Statistics and Machine Learning, Data Preprocessing, Information Security and Privacy, Pattern Recognition, Operations Research, Engineering Economics.

WORK EXPERIENCE

Product Management Intern at Ace Online, Hyderabad (Telangana)

Jan 2023 – July 2023

- Led the development and implementation of digital ID card system, working closely with a team of **4 developers, 2 designers, and 1 QA professional**, to support over **8,900 students**.
- Accomplished premium student profile completion rate of **93%** from **17.7%** by collaborating with another PM to drive integration of overlapping features.
- Performed **usability interviews** with over **15 students** to assess upcoming UI design and extract valuable insights.
- Shadowed **Sales, Marketing, Customer Success, and Digital Marketing** teams to grasp their workflows and enhance **cross-functional collaboration**.
- Performed extensive **market research** and engaged in numerous consultations with **external stakeholders** to investigate **Freshchat** alternatives on behalf of the organization.
- Orchestrated the development and implementation of multiple **APIs** for an innovative online classroom platform experiment centred around **AWS-Interactive Video Service**.
- Collaborated with **2 tech interns** and **1 sales executive** in intra-organizational hackathon to create an automated sales funnel using chatgpt.

TECHNICAL SKILLS

- **Product Management:** PRD Writing, Market Research, Agile Development, User Research, Wireframing and Usability Testing.
- **Data Science:** Data-analysis, Machine learning (Tensorflow, OpenCV), Power Bi
- **Languages:** C++, Python, HTML-CSS, JavaScript.
- **Tools:** Figma, Jira, Trello, Mixpanel, Confluence, Google Suite, MS Office.
- **Platforms:** Windows, Linux, VSCode, Jupyter.

PROJECTS

ChurnWhiz: Churn Predictor [Python, Numpy, Pandas, Scikit-learn, CountVectorizer, SMOTEENN]

[\[GitHub\]](#)

- Formulated a churn prediction model through in-depth data analysis and preprocessing.
- Tackled class imbalance issues using advanced techniques like SMOTE and ENN.
- Evaluated multiple models, selecting the highest performing one based on accuracy and metrics.

AppleSortX : ML-Enhanced Apple segregator [Python, Raspberry Pi, Arduino, and TensorFlow]

[\[Video-Demo\]](#)

- Spearheaded a team of 5 persons to develop a real-time apple segregator using ML powered Raspberry Pi.
- Developed ML model to reduce image processing time from 1.3 to 0.5 seconds by filtering the training data.
- Integrated different hardware together such as Raspberry Pi with ML model, Arduino, and servo motor.

MovieMastermind : Movie recommender [Natural language processing, Scikit-Learn, Streamlit]

[\[GitHub\]](#)[\[Link\]](#)

- Built a movie recommendation system using cosine similarity.
- Integrated TMDB API to enrich movie recommendations with posters and comprehensive details.
- Launched the ML model in streamlit.

ACHIEVEMENTS AND RESPONSIBILITIES

- **picoCTF 2023** - Secured 445 rank out of 2642 eligible teams in picoCTF 2023 under UG students category.
- **Xpecto** - IIT Mandi- Publicity Lead at IIT Mandi's first ever independent tech fest.
- **Ruvaan** - IIT Mandi- Publicity Lead at IIT Mandi's literary festival.