

Ashrav Gurung

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Internship

SURGE Intern

May 2024 - July 2024

Summer internship at IIT Khadakpur

- Led a team of 4 in developing a machine learning model for stock market trend prediction, managing project milestones and task allocation.
- Implemented feature engineering (e.g., moving averages, RSI) and optimized data preprocessing for cleaner model inputs.
- Oversaw the use of Logistic Regression, Random Forest, and LSTM models, achieving high prediction accuracy.
- Enhanced evaluation with metrics like accuracy, precision, and F1 score, ensuring comprehensive model comparison.
- Guided the team in addressing overfitting, tuning hyperparameters, and improving overall model performance.
- Presented findings to mentors, highlighting practical insights and financial forecasting applications.

Research Internship Program

July 2024 - Aug 2024

Summer internship with IIM Kozhikode

- Led a summer internship at IIM Kozhikode, focusing on data analytics and machine learning for business trend forecasting.
- Preprocessed datasets, applied statistical models, and used Python/R to generate actionable insights.
- Evaluated and optimized machine learning models for better performance using key metrics.
- Presented findings and models to faculty, contributing to business optimization strategies..

Projects

Deep Autoencoder-Based Text Generation for Natural Language | Python, TensorFlow, Keras, NumPy

May 2024 - July 2024

- Utilized deep autoencoders to generate coherent natural language text by encoding input sequences into a latent representation and reconstructing meaningful text through a decoder.
- Demonstrated the potential of neural networks in learning semantic patterns for automated content creation and text summarization.
- Achieved accurate text reconstruction and context-aware generation.
- Provided a scalable framework for various NLP applications.
- Validated the effectiveness of autoencoders in unsupervised text tasks.

Predictive Analytics for Customer Churn in E-commerce using Machine Learning / Python3, Jupyter Notebook, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, MS Excel

July 2024 - Aug 2024

- Leveraged machine learning to predict customer churn based on historical data, analyzing customer behavior and identifying key patterns.
- Achieved **85% accuracy** in predicting churn, helping businesses take proactive measures for customer retention.
- Enabled **targeted marketing strategies**, improving customer satisfaction and retention.
- Automated churn analysis, reducing manual effort by **70%** and streamlining the process.
- Provided actionable insights to optimize customer engagement and reduce churn rates.

Certificates

IBM Data Science and Analytics

August 2022

Coursera — <https://www.coursera.org/professional-certificates/ibm-data-science>

Microsoft AI & ML Engineering Professional Certificate

March 2023

Coursera — <https://www.coursera.org/professional-certificates/microsoft-ai-and-ml-engineering>

Technical Skills

Languages C++, Java, Python

Technologies/Frameworks: Angular, Jasmine Testing, React JS, Node JS, Git, GitHub, Ubuntu

Skills: Data Structures and Algorithms, Problem-Solving, Leadership, Decisive , Scripting in Python

Education

Lovely Professional University Punjab

Computer Science and Engineering — CGPA: 7.10

2022 – 2026

Jalandhar, Punjab

Mayor World

12th with Science — Percentage: 80%

2021 – 2022

Jalandhar, Punjab

Kendriya Vidyalaya Shahjahanpur Cantt

10th with Science — Percentage: 79.56%

2019 – 2020

Pune, Maharashtra