Kasim Ishaque Ghanchi,

Data Analyst | Machine Learning Engineer

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"Where others see numbers, I see opportunities"—Computer Engineering undergraduate passionate about data, business, and growth. With a strong technical foundation and a keen sense for strategy, I enjoy using machine learning, quantitative analysis, and market insights to turn complexity into clarity. I'm driven by curiosity, motivated by impact, and eager to take on a Data Analyst or Business Analyst role where I can solve challenges, guide smart decisions, and help organizations grow.

Experience and Course

Machin Learning Intern - Vidyalankar Institue Of Technology, Mumbai *JUNE 25'-PRESENT*

- Skin Disease Detection using Machine Learning & Deep Learning
- Developed an AI-based diagnostic support system for analyzing dermatological images to predict skin diseases.
- Implemented Convolutional Neural Networks (CNNs) using TensorFlow and PyTorch.
- Applied image preprocessing (resizing, normalization, augmentation) to improve model generalization.
- Deployed the model on a web platform, enabling real-time predictions from uploaded images.

Machine Learning and Deep Learning Specialization – Andrew Ng (Coursera) *JUNE 25'-PRESENT*

- I am currently working through the Machine Learning and Deep Learning Specialization by Andrew Ng on Coursera.
- I'm building a strong foundation in machine learning, covering supervised and unsupervised learning, along with algorithms like linear regression, logistic regression, SVMs, and decision trees. I'm also exploring deep learning, focusing on neural networks, backpropagation, and optimization methods.
- As I progress, I'm working on hands-on projects with TensorFlow and Keras to apply these techniques to real-world problems like image classification and NLP.

Education

Mumbai University, Vidyalankar Institute of Technology *2024-2028*

- Bachelor of Technology (B.Tech), Computer Engineering

Higher Secondary Certificate (HSC) *2022-2024*

- Pace Science Junior College, Mumbai | Graduated: February 2024
- Overall Percentage: 75%

Secondary School Certificate (SSC) *2021-2022*

- Mount Mary High School, Mumbai | Graduated: March 2022
- Overall Percentage: 85%

Skills

Technical Skills

- Programming Languages: Python, Java, C, SQL
- Data Science & ML: TensorFlow, PyTorch, scikit-learn, NumPy, Pandas

Tools

- Databases & Tools: MySQL, PostgreSQL, Advanced Excel, Jupyter Notebook, Google Colab, Tableau, Google locker studio
- Visualization & BI: Tableau, Power BI, Matplotlib, Seaborn

Expertise :

- Data Analysis & Insights – Exploratory Data Analysis (EDA), data cleaning, feature engineering, and transforming raw data into actionable insights.
- Machine Learning Modeling – Building, training, and evaluating supervised and unsupervised ML models for real-world applications.
- Deep Learning & Computer Vision – Designing and implementing CNN-based models for image classification and prediction tasks.
- Model Evaluation & Optimization – Performance measurement using accuracy, precision, recall, ROC-AUC, and model tuning techniques.
- Data Visualization & Reporting – Creating meaningful visualizations and dashboards to communicate insights effectively.
- Business Problem Solving – Applying analytical thinking to solve business and operational challenges using data-driven approaches.
- End-to-End ML Pipelines – From data preprocessing and model development to deployment and real-time prediction systems.
- Analytical Thinking & Strategy – Interpreting trends, patterns, and metrics to support informed decision-making.

Projects:

Skin Disease Detection System | Machine Learning & Deep Learning

- Developed an AI-based skin disease detection system using Machine Learning and Deep Learning techniques.
- Designed and trained Convolutional Neural Networks (CNNs) using TensorFlow and PyTorch for image classification.
- Performed image preprocessing including resizing, normalization, and data augmentation to improve model accuracy and generalization.
- Evaluated model performance using validation metrics and optimized results through hyperparameter tuning.
- Deployed the trained model on a web-based platform enabling real-time disease prediction from uploaded images.
- Gained hands-on experience in end-to-end ML pipeline development, from data preparation to deployment.
- Reduced overfitting through effective use of data augmentation and dropout layers.
- Improved classification performance by iterative model tuning and validation.
- Gained practical experience in computer vision pipelines and deployment-ready ML systems.

Customer Churn Prediction System

- Developed a machine learning model to predict customer churn using historical customer data.
- Performed data cleaning, exploratory data analysis (EDA), and feature engineering to identify key churn drivers.
- Analyzed customer behavior patterns such as usage, tenure, and payment history to extract business insights.
- Trained and compared models including Logistic Regression, Decision Tree, Random Forest, and XGBoost.
- Evaluated model performance using accuracy, precision, recall, F1-score, and ROC-AUC metrics.
- Identified high-risk customer segments and provided data-driven recommendations to improve customer retention.
- Visualized insights and model results using Matplotlib and Seaborn.