Abhinav Anurag
Metallurgical Engineering

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ACADEMIC BACKGROUND

Year	Degree/Certificate	Institute	CPI/%
2024	Integrated Dual Degree	Indian Institute of Technology (BHU), Varanasi	8.08/10
2018	CBSE (XII)	Sunbeam English School, Varanasi	94.00%
2016	ICSE (X)	Holy Cross School, Ballia	95.60%

SKILLS

- **Languages:** Python (Numpy, Pandas, Matplotlib, Seaborn, PySpark, PyTorch, Scikit Learn), SQL, R, C++
- **Technologies:** Power BI, Tableau, MS Excel, Git, Jupyter Notebook, MS PowerPoint, Anaconda, VS Code
- **Google Courses:** Basic & Advanced Data Analytics, Automation with Python, AI Essentials, Business Intelligence

WORK EXPERIENCE

- **Revenue Lead - OYO** *(Jun '24 - Aug '24)*
  - Oversaw ≈ **INR 1.2 Cr.** of annual revenue accounting and reconciliation for 10 critical properties in Varanasi
  - Applied data driven optimizations yielding **15% increase** in monthly revenue within two months of deployment
  - Explored usage patterns of **100+ DSRN** in Varanasi region, creating ARR change strategy for assigned SRNs
  - Ensured **11% higher** customer ratings via facilitating hospitality arrangements based on customers' prior reviews
- **Data Science Internship - DEVTOWN** *(May '23 - Jul '23)*
  - Performed competitive analysis on **top 20** startups in the Indian Ed Tech sector based on available market data
  - Built a real-time **Power BI dashboard** to track platform load, using automated data pipelines from Metabase
  - Created XGBoost based regressor with **95% accuracy** on predicting drop-outs from funnel in bootcamp contest
  - Observed increased engagement completion ratio of **75%** in A/B testing with **3,300** users by gamifying quizzes

KEY PROJECTS AND COMPETITIONS

- **Quora Question Classification - Kaggle Data Science Competition** *(Sep' 24)*
  Objective: Develop model to classify newly asked questions on Quora into sincere-insincere (filtering negative sentiments)
  - Achieved **0.63** F1 score through lemmatization excluding stopwords on heavily right skewed **1.3M** records dataset
  - Studied accuracy of Naive Bayes, Random Forest, achieved **98%** accuracy by hyperparameter-tuned RF Classifier
- **Stock Price Forecasting - Prediction of Apple Stock Price** *(Jan' 24)*
  Objective: Develop a model capable of forecasting stock price of Apple, using Recurrent Neural Network Architecture
  - Achieved RMSE of **87$** for Apple stock price, over a back-testing period of 2 years, with training RMSE of 83$
  - Implemented 3 layered LSTM over 10Y data from yfinance; used **100** days look back for **30** days prediction length
  - Obtained **81.76%** reduction in RMSE on benchmarking hypertuned model with baseline Gated Recurrent Units
- **Image Classification - Classifying Handwritten Digits** *(Jul' 23)*
  Objective: Develop and implement a deep learning model to classify handwritten digits using neural network techniques
  - Achieved **95.3%** accuracy on a 10-class classification problem applied to the MNIST handwritten digits dataset
  - Leveraged PyTorch with GPU acceleration on Google Colab, processing **60,000** 28x28 pixel images labeled 0-9
  - Trained 7 layered Convolutional Neural Network using softmax activation & categorical cross-entropy loss function
- **Rossmann Store Sales - Kaggle Data Science Competition** *(Dec' 22)*
  Objective: Develop a model capable of forecasting everyday sales for the Rossmann stores, for up to six weeks in advance
  - Achieved **RMSE reduction by 73%** through optimization and model selection, predicting sales for 1,115 stores
  - Enhanced the model, included 8 new features with PCA, increasing feature importance by **15%**, on 1M records
  - Studied accuracy of XGB and Random Forest, achieved **lowest RMSE** by hyperparameter-tuned XGBRegressor

POSITIONS OF RESPONSIBILITY

- **USG Business Relations - IIT(BHU) Model United Nations** *(Apr' 19 - Mar' 22)*
  Indian Institute of Technology (BHU), Varanasi
  - Led a **15-member student executive team**, coordinating logistics for 250 delegates, ensuring a seamless event
  - Led a 5-member business team, coordinated **117** institutions for Asia's top virtual MUN, secured **83 delegates**
  - Played a pivotal role in the MUN, contributing to its organization, delegate experience, and successful execution
- **Student Alumni Interaction Cell (SAIC) Executive** *(Jul' 19 - Mar' 21)*
  Indian Institute of Technology (BHU), Varanasi
  - Managed a **20 membered body** to strengthen student-alumni relations, improve initiatives and organize events
  - Revamped the SAIC website, resulting in a **35% improvement** in user experience and eliminating critical bugs
  - Supervised alumni engagement activities, conducted networking and mentorship session in Kashiyatra & Spardha

ACHIEVEMENTS

- Secured **1st position** in Metals Material Quiz, organized by the Metallurgy Department IIT(BHU), IIM Vns Chapter
- Recognized as **Icon of Inspiration** and **All Rounder** from Sunbeam English School for exceptional accomplishments
- National level **Semi-finalist** in prestigious Professor Brahm Prakash Memorial Materials Quiz held at IIM Kalpakkam
- Ranked in the **top 10** out of 1231 participants globally in Strategy Storm Business Case Competition at IIT Guwahati