ANURAG MISHRA

Data Science Graduate | Machine Learning Enthusiast

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PROFESSIONAL SUMMARY

Recent Computer Science graduate from VIT with specialization in Data Science and Machine Learning. Passionate about transforming complex data into actionable insights through statistical analysis, predictive modeling, and data visualization. Proficient in Python, R, SQL, and modern ML frameworks including TensorFlow and PyTorch. Seeking to leverage analytical skills and technical expertise in a challenging data science role to drive business growth and innovation.

EDUCATION

Bachelor of Technology in Computer Science & Engineering Specialisation in Artificial Intelligence and Machine Learning

Vellore Institute of Technology (VIT)

2021 - 2025 | Percentage: 83.5%

• Specialized in Data Science and Machine Learning with focus on statistical analysis and LLM

• Relevant Coursework: Data Structures, Algorithms, Database Management, Machine Learning, Deep Learning, Big Data Analytics

• Final Year Project: Lane Detection System using Deep Learning

• Active member of Omdena Contributors Club, Data Science Club and participated in multiple technical workshops

TECHNICAL SKILLS

Programming Languages:	Python, R, SQL, JavaScript, Java, C++
Data Science Libraries:	Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, Keras
Data Visualization:	Matplotlib, Seaborn, Plotly, Tableau, Power BI
Databases:	MySQL, PostgreSQL, MongoDB, SQLite
Cloud & Tools:	AWS, Google Cloud Platform, Docker, Git, Jupyter Notebook
Machine Learning:	Supervised Learning, Unsupervised Learning, Deep Learning, NLP, Computer Vision
Statistical Analysis:	Hypothesis Testing, Regression Analysis, Time Series Analysis, A/B Testing

KEY PROJECTS

Customer Churn Prediction Model

Technologies: Python, Scikit-learn, XGBoost, Pandas, Matplotlib

Jan 2024 - Mar 2024

- Developed machine learning model to predict customer churn with 92% accuracy using ensemble methods
- Implemented feature engineering techniques and hyperparameter tuning for optimal performance
- Created comprehensive data visualization dashboard for stakeholder presentation
- Deployed model using Flask API with real-time prediction capabilities

Social Media Sentiment Analysis System

Technologies: Python, BERT, TensorFlow, Flask, BeautifulSoup

Sep 2023 - Dec 2023

- Built real-time sentiment analysis system for social media posts using BERT and LSTM models
- Implemented web scraping techniques to collect and preprocess social media data
- Achieved 89% accuracy in sentiment classification across multiple social platforms
- Developed RESTful API for integration with external applications

Medical Image Classification using Deep Learning

Technologies: Python, PyTorch, OpenCV, ResNet, CNN

May 2023 - Aug 2023

- Developed CNN-based system for medical image classification with 95% accuracy
- Implemented transfer learning using ResNet50 architecture for improved performance
- Applied data augmentation techniques to enhance model robustness
- Created user-friendly interface for medical professionals to upload and analyze images

EXPERIENCE

Data Analytics Intern

Tech Startup (Remote)

Jun 2023 - Aug 2023

- Analyzed customer behavior patterns and market segmentation using statistical methods
- Developed automated ETL pipelines processing 50GB+ of customer data daily
- Created interactive dashboards for stakeholder reporting using Plotly and Streamlit
- Contributed to data-driven decision making that improved customer retention by 15%
- Collaborated with cross-functional teams in agile development environment

Data Science Research Assistant

VIT University

Jan 2024 - May 2024

- Led team of 4 students in developing ML solution for predicting academic performance
- Analyzed dataset of 10,000+ student records using advanced statistical techniques
- Implemented and compared 5 different machine learning algorithms for optimal results

• Presented research findings at university symposium and documented methodology in research paper

ACHIEVEMENTS & CERTIFICATIONS

• **2nd Place Winner** - National Data Science Hackathon (200+ participants) - Developed fraud detection system
• **Google Data Analytics Professional Certificate** - Completed comprehensive data analytics program
• **Deep Learning Specialization** - Coursera (Andrew Ng) - 5-course specialization completed
• **AWS Machine Learning Specialty** - Currently pursuing cloud ML certification
• **Kaggle Competitions** - Participated in 10+ competitions with top 25% rankings
• **Technical Publications** - Co-authored 2 research papers on machine learning applications

ADDITIONAL INFORMATION

• **Languages:** English (Fluent), Hindi (Native), Tamil (Conversational)
• **Interests:** Machine Learning Research, Data Visualization, Open Source Contributions
• **Volunteer Work:** Data Science Mentor for junior students, Technical Workshop Organizer
• **Availability:** Immediately available for full-time positions globally
• **Work Authorization:** Indian citizen, open to relocation and visa sponsorship

Resume generated on June 20, 2025