Kartik Chaurasiya

Data Scientist

Decatur, GA | kartikjchaurasiya@gmail.com | +1 4047174959

Professional Summary

Certified Data Scientist known for creating machine learning models and data-driven insights that provide a competitive edge. With 3+ years of experience, skilled in predictive modeling and data interpretation. Dedicated to delivering insights that drive data-informed strategies and improved business performance Detail oriented Data Scientist specializing in natural language processing and text mining. Proficient in sentiment analysis, chatbot development, and extracting valuable information from unstructured text data Data Scientist committed to enhancing data-driven real estate strategies. Skilled in property market analysis, investment forecasting, and providing insights for real estate investment decisions.

Skills

- Advanced Experiment Design: Cohort Analysis,
- Multivariate Testing, Bayesian A/B Testing, Time Series Experimentation
- Basic Data Engineering: SQL Basics, Database Queries
- Data Engineering: Database Management (SQL, NoSQL), Data Integration Tools (e.g., Apache Spark), Data Governance and Compliance, Data Warehousing and Data Lakes, ETL (Extract, Transform, Load) Processes, Data Pipeline Automation
- Data Wrangling: Data Preprocessing, Data Transformation, Data Munging
- Experiment Design and A/B Testing: Hypothesis Testing, Bayesian A/B Testing, Time Series Experimentation, Experimental Methods, Design of Experiments, Multivariate Testing, Experimentation Platforms (e.g., Optimizely), Cohort Analysis, A/B Testing
- Model Interpretability and Explainability: Feature Importance Analysis, Explainable AI (XAI), Model Transparency and Fairness
- Experiment Design: Design of Experiments, A/B Testing, Experimental Methods
- Advanced Model Interpretability: Ethical AI Practices, Explainable AI (XAI), AI Ethics Consultation, Causal Inference, Time Series Forecasting Models, Feature Importance Analysis, Model Transparency and Fairness
- Data Analysis and Visualization: Geospatial Analysis, Advanced Statistical Models, Advanced Data Visualization (e.g., D3.js), Time Series Analysis, Statistical Analysis, Deep Learning for Computer Vision and NLP, Data Storytelling, Exploratory Data Analysis, Advanced Data Mining, Anomaly Detection
- Data Fundamentals: Statistics Fundamentals, Data Types, Data Cleaning, Basic Data Visualization
- Machine Learning: Reinforcement Learning, Deep Learning, Supervised Learning (Classification, Regression), Recommendation Systems, Advanced Neural Networks (CNN, RNN, GAN), Ensemble Models, Unsupervised Learning (Clustering, Dimensionality Reduction), Natural Language Processing (NLP), Quantum Machine Learning
- Soft Skills: Effective Communication, Problem-solving, Team Collaboration

Professional Experience

Data Scientist - Aug 2023 - Present
Northern Trust - USA

- Utilized ensemble learning techniques to improve the accuracy of predictive models by 15% over single-model approaches.
- Created a forecasting model for sales and demand, improving forecast accuracy by 20% and assisting in strategic planning.
- Designed a sentiment analysis model to monitor brand reputation in real-time, reducing negative feedback by 25%.

- Utilized unsupervised learning to uncover new customer segments, driving a targeted marketing strategy that increased sales by 12%.
- Created a forecasting tool for seasonal businesses, improving inventory management and reducing waste by 25%.
- Implemented a machine learning model to analyze satellite imagery, aiding environmental monitoring and conservation efforts.
- Developed an optimization model for route planning, improving delivery times by 25% for a logistics company.

Data Scientist - Jan 2020 - Jul 2022
Intex Technologies - India
- Designed a statistical model to evaluate marketing campaign effectiveness, optimizing ad spending and increasing ROI by 35%.
- Automated data cleaning and preprocessing pipelines, saving over 200 hours of manual data preparation time per month.
- Led the integration of AI and ML technologies into product development, shortening the innovation cycle by 30%.
- Developed a machine learning model that predicted customer churn with 90% accuracy, reducing churn by 15% within the first year.
- Analyzed user behavior in a digital platform, which informed UI/UX improvements that increased conversion by 15%.
- Conducted complex data analyses influencing strategic decisions, leading to a 25% market share increase.

Education

M.S. in Data Science in Georgia State University - Aug 2022 - May 2024 - Atlanta,
GA **B.S. in Computer Science in Mumbai University -** Jun 2017 - May 2021 -
Mumbai, India

Certification

 AWS Certified Solutions Architect – Associate (SAA), Amazon Web Services
Training and Certification – Jan 2024
DeepLearning.AI by Andrew Ng, Coursera, Jan 2020