JESSICA LEE

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Dedicated Data Scientist with a Ph.D. in Data Science and over 10 years of experience in leveraging data analytics to drive business solutions. Seeking a challenging role to apply advanced skills in data mining, machine learning, and artificial intelligence to develop innovative solutions and optimize business outcomes. Adept at collaborating with cross-functional teams to define and address complex business problems, with a passion for continuous learning and contributing to the cutting edge of data science.

EDUCATION

Doctor of Philosophy (Ph.D.) in Data Science | Columbia University | 2020
Research Thesis: "Advancements in Predictive Modeling for Business Optimization using Machine Learning Techniques"

- Conducted extensive research on predictive modeling techniques, focusing on business optimization applications.
- Developed and implemented novel machine learning algorithms to uncover patterns in large datasets.
- Collaborated with industry experts to validate and refine predictive models for real-world business scenarios.
- Published research findings in reputable data science and business optimization journals.

EXPERIENCE

Senior Data Scientist | Quantum Analytics
Jul 2020 – Present

- Collaborated with stakeholders to define business problems and opportunities, leading to the development of data-driven solutions.
- Conducted extensive research on diverse data sources, working with data and system experts to understand and preprocess data for analysis.
- Led a cross-functional team, including data analysts, business users, and data engineers, in the development of artificial intelligence and machine learning models.
- Developed processes and tools to monitor and analyze model performance, ensuring data accuracy and optimizing business outcomes.
- Automated data workflows and deployed analytical solutions in collaboration with the data engineering team.
- Presented actionable insights to senior management and stakeholders, contributing to informed decision-making.

Data Scientist | InnovateTech Solutions
Jan 2013 – Jun 2020

- Implemented advanced analytics techniques, including machine learning and neural networks, to uncover data patterns and predict outcomes.
- Utilized open-source analytic tools (R and Python), visualization tools (Qlik Sense, Tableau, Power BI), and database development tools (SQL, Hadoop) in daily tasks.
- Worked with large structured and unstructured datasets, applying AI in areas such as natural language processing, computer vision, and speech analysis.
- Collaborated with technology teams and business units to address complex business problems and optimize processes.

SKILLS

- Data Science and Analytics
- Machine Learning and AI
- Data Mining and Analysis
- Statistical Analysis
- Python and R Programming
- Data Visualization (Qlik Sense, Tableau, Power BI)
- SQL and Hadoop
- Cloud Computing
- Natural Language Processing
- Computer Vision
- Speech Analysis
- Cross-functional Collaboration
- Model Performance Monitoring
- Process Automation
- Exceptional communication
- Strong Leadership

CERTIFICATIONS

- Data Science Professional Certification (Coursera)
- Machine Learning Specialist Certification (Columbia University)

REFERENCES

Professor David Miller

Department of Data Science | Columbia University

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