

## Samir Suman

*Lead Engineer | Machine Learning | Data Analytics | AI Solutions*

Machine Learning and AI Specialist with 12+ years of experience in developing and deploying advanced data-driven solutions across the BFSI, E-commerce, and Physical Security sectors. Proven expertise in leveraging ML, Deep Learning, and Generative AI for security, efficiency, and predictive modeling, with a strong focus on operational excellence and automation.

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## Skills

Data Analytics, Predictive Modeling, Statistical Analysis, Python, PySpark, SQL, TensorFlow, Deep Learning, Gen AI, LLMs, Neural Networks, Azure ML, NLP, Model Optimization, Scikit-Learn, Huggingface

## Work Experience

### **Lead Engineer @ Vectorflow**

**Oct 2020 – Apr 2024**

- Developed Access Recommendation models, boosting security efficiency by 30%.
- Deployed occupancy forecasting, achieving 20% savings in energy costs.
- Engineered anomaly detection models, reducing security breaches by 25%.
- Automated image capture models, reducing onboarding time by 70% efficiently.
- Led model deployment, ensuring scalability and compliance with data privacy standards.

### **Senior Software Engineer - Data Analytics @ Yatra Online Pvt. Ltd**

**Nov 2015 – Aug 2020**

- Integrated and analyzed B2B/B2C hotel data, optimizing pricing strategies efficiently.
- Developed dynamic pricing predictive models, boosting peak season revenue by 15%.
- Collaborated with cross-functional teams, delivering actionable insights and BI reports.

### **Quality Analyst @ Dudegenie**

**Aug 2015 – Oct 2015**

- Designed and automated test cases, improving application quality.

### **Senior Software Engineer @ Accenture**

**Jun 2011 – Aug 2015**

- Automated compliance reporting, reducing manual effort by 40%.
- Conducted financial data integrity testing, cutting critical errors by 30%.
- Authored technical documentation and user manuals for analytics tools.

## Education

- **Master of Science:** Data Science (Expected Feb 2025), Deakin University, Australia
- **PGP - Data Science & Business Analytics:** Feb 2021, McCombs School of Business, Texas
- **Bachelor of Technology:** Amity University, Jaipur, India