

# Aditya Kumar Modi

## AI Augmented Data Scientist

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Well-qualified professional and bold analytical thinker with keen focus on Machine Learning models and data management on the Cloud. Proficient in leveraging Gen AI models for efficient time management in agile work environments.

### Professional Experiences

**Xoriant Solutions Private Limited** – Data Scientist

**December 2024 - Present**

- Collaborating with a research-driven team to develop and deploy innovative technology solutions that can drive projects and investments.
- Led the development and client presentation of multiple proof-of-concept (PoC) solutions, demonstrating business value to clients.
- Delivered binary classification and model-free reinforcement learning solutions tailored to client needs, enhancing operational efficiency.

**Netcracker Technology Solutions (India) Private Limited** – Software Engineer

**July 2021 – December 2024**

- Coordinated with multiple departments and implemented multiple features as per client requirements, ensuring successful feature delivery.
- Mentored new team members, streamlining onboarding and knowledge transfer to boost team productivity and ensure timely releases.

### Projects

#### MCP-Driven Tool Integration

- Integrated multiple applications using Model Context Protocol (MCP) to enable secure, dynamic, and reusable interactions across systems.
- Developed an AI-driven Question-Answer application (Chatbot style) that leverages MCP for seamless, context-aware responses.

#### Hair Salon No-Show Probability Prediction

- Developed a binary classification model to predict customer no-shows, enabling proactive scheduling and resource optimization for salon.
- Applied model selection, achieving an accuracy of 75% using XGBoost classifier after hyperparameter tuning and feature engineering.

#### Marketing Cost Optimization for Term Plan using Advance Analytics

- Created a binary classification system to target high-potential term plan clients, streamlining telemarketing efforts, saving time and cost.
- Utilized data preprocessing and model selection, culminating an impressive 89% accuracy rate using the Random Forest Classifier.

### Skills

**Machine Learning and Statistics** – Data Wrangling, Handling Imbalanced data and applying various models.

**Deep Learning And NLP** – Proficient in building basic DL and NLP models with a strong passion for further exploration and learning.

**Prompt Engineering** – Integration of LLMs to different tools via Model Context Protocol (MCP) using FastAPIs.

**AWS Cloud** – Proficiency in cloud computing fundamentals and foundational AWS services.

**Programming Languages** – Java, Python, SQL

**Tools and Other Skills** – Microsoft Excel, Tableau, DSA, Team Management, Leadership, and Collaboration.

### Education

#### B.TECH IN EIE AND M.TECH IN VLSI DESIGN AND EMBEDDED SYSTEMS

National Institute of Technology Rourkela at Rourkela | July 2016 – April 2021

### Certifications & Courses

- Achieved AWS Cloud Practitioner Certification and AWS AI Practitioner Certification
- Completed Machine Learning Course by Learn Bay to enhance my skills with projects.
- Received the Star Award for exceptional performance and high-quality code delivery at Netcracker in October 2023.
- Qualified Gate 2020 with All India Rank (AIR) of 668 and was awarded a scholarship for higher education.