

Aditya Kumar Modi

AI Augmented Data Scientist
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Data Scientist with over **4 years** of experience applying **ML, NLP, GenAI and cloud technologies** to deploy impactful data-driven solutions. Proven ability to lead projects, collaborate with **cross-functional teams**, and present technical ideas to clients. Seeking to leverage expertise in **quantitative analysis, predictive modeling, and AI integration** to drive marketing effectiveness and customer value as a **Data Scientist at Google's gTech Ads Solutions**.

EXPERIENCE

XORIENT SOLUTIONS PRIVATE LIMITED | DATA SCIENTIST

Dec 2024 - Present | Pune, Maharashtra

- Developed **5+ PoC** solutions, resulting in increase up to **30%** estimated ROI gains demonstrated to clients.
- Developed high-impact models like **Binary classification** achieved **89%** accuracy for client targeting and **model-free reinforcement learning** solution improving operational efficiency by **15-25%**.
- Led cross-functional technical discussions and delivered data-driven solutions that accelerated client decision-making processes by **40%**.
- Integrates Large Language Models (LLMs) using **Model Context Protocol (MCP)** and **FastAPIs** to build advanced AI applications.

NETCRACKER TECHNOLOGY | SOFTWARE ENGINEER

July 2021 - Dec 2024 | Pune, Maharashtra

- Developed **10+ features** across multiple modules, achieving **100% on-time delivery** rate as per client requirements.
- Played a key role in a long-term project, **enhancing team productivity** by mentoring new team members, facilitating knowledge transfer, and ensuring consistent release delivery cycles.

PROJECTS

MARKETING TERM PLAN COST OPTIMIZATION

Jan 2023 - Present

- Optimized telemarketing efforts by developing a binary classification system (Random Forest, **89 % accuracy**) to identify high-potential term plan clients.
- Streamlined marketing operations, resulting in time savings and an estimated **20%** reduction in customer acquisition costs.

MCP-DRIVEN TOOL INTEGRATION & AI CHATBOT

Mar 2025 - Present | Xoriant, Pune

- Developed secure integrations across 3+ enterprise tools using **Model Context Protocol (MCP)**
- Developed an AI-driven Q&A Chatbot that leverages MCP for seamless, context-aware responses. Achieved **>90% accuracy** in chatbot responses during UAT with domain-specific fine-tuning.

HAIR SALON NO-SHOW PROBABILITY PREDICTION

Jan 2025 - Feb 2025 | Xoriant, Pune

- Implemented a **classification** model that predicts no-shows with **85%** accuracy enabling proactive rescheduling
- Reduced expected revenue loss by **10-15%** by flagging high-risk appointments.

EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA

DUAL DEGREE (B.TECH + M.TECH) IN ELECTRONICS AND INSTRUMENTATION ENGINEERING
June 2016 - June 2021 | NIT Rourkela, Odisha
CGPA: 7.42 / 10.0

SKILLS

PROGRAMMING LANGUAGES

Python, Java, HTML, CSS

MACHINE LEARNING & STATISTICS

Predictive modeling, Classification, Reinforcement learning, Data Wrangling, Feature Engineering, Statistical Analysis

NLP & GENERATIVE AI

Prompt Engineering, LLM Integration (via MCP & FastAPIs)

CLOUD COMPUTING

AWS (Certified AI & Cloud Practitioner)

DATABASES & TOOLS

SQL, GIT, Excel, Tableau (Data Visualization)

OTHER SKILLS

Team Management, Leadership, Collaboration, Client Presentations.

RECOGNITION

CERTIFICATIONS

AWS Certified AI Practitioner

AWS Certified Cloud Practitioner

ML Certification (LearnBay)

Star Award For Exceptional Work, Netracker, October 2023.

Qualified Gate 2020 with AIR 668 and awarded a scholarship for higher education.

Vice President of Plugged In (Official Electronics Club of NIT Rourkela)

LINKS

Github:// [aditya2296](#)

LinkedIn:// [aditya-kumar-modi](#)