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

XORIANT SOLUTIONS PRIVATE LIMITED | Data Scientist
Dec 2024 - Present | Pune, Maharashtra
- Develops and deploys innovative technology solutions, translating complex data insights into actionable business strategies for clients.
- Lead the development and client presentation of multiple proof-of-concept (PoC) solutions, demonstrating business value and potential ROI.
- Delivered binary classification and model-free reinforcement learning solutions tailored to client needs, enhancing operational efficiency and contributing to measurable business outcomes.
- 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
- Coordinated with multiple departments and implemented multiple features as per client requirements, ensuring successful feature delivery.
- 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
- Engineered secure and dynamic integrations between multiple applications using Model Context Protocol (MCP).
- Developed an AI-driven Q&A Chatbot that leverages MCP for seamless, context-aware responses. Utilized advanced NLP and LLM integration.

HAIR SALON NO-SHOW PROBABILITY PREDICTION
Jan 2025 – Feb 2025 | Xoriant, Pune
- Built a classification model to predict the likelihood of client no-shows, enabling proactive appointment management.
- Engineered features and utilized hyperparameter tuning to maximize model accuracy, aiming to reduce potential revenue loss.

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
Predtictive 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**