

Amit Tiwari | Research and Development Analyst |

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Professional Summary

Result-driven and analytical Data Specialist with hands-on experience in data science, AI, and software development. Skilled in building and deploying machine learning models, data engineering pipelines, and AI-based business solutions. Proficient in Python, SQL, deep learning, NLP, and cloud computing. Adept at collaborating with cross-functional teams to deliver scalable and efficient data-driven applications.

Experience

Research and Development Intern

ACV Incorporation | May 2025 – Present | Indore, India

Designed and managed two internal databases: Daily Report Expense and Inventory Management System. | Built efficient backend logic to automate daily reporting and inventory tracking using SQL and Python. | Collaborated with operations and tech teams to ensure smooth integration and data flow across departments.

Technical Support

SSR Manpower Solution | July 2019 – Oct 2021 | Indore, India

Managed company website operations, resolved technical bugs, and maintained SQL Server and ESSL systems. | Handled MIS data reporting and performed data analysis using Advanced Excel tools and functions. | Researched and developed content for PAN India projects, ensuring accuracy and relevance for organizational use.

Internship Experience

AI Research Intern | Designed and implemented AI models using deep learning and NLP, optimizing performance for real-world business applications.

CodingJr | Feb 2025 – Apr 2025 | Remote

Data Science Intern | Programmed and optimized predictive models using deep learning, leading to a 30% boost in decision efficiency and 40% faster data processing.

Meritshot | Jul 2024 – Oct 2024 | Remote

Data Science Intern | Facilitated data preprocessing and exploratory analysis using Python and statistical tools to enhance model accuracy and insights.

CodeClause | Nov 2023 – Apr 2024 | Remote

Software Trainee | Learned core programming concepts including Java, SQL, OOPs, inheritance, and basic data structures during training at Crush It Techno.

Crush It Techno | Oct 2021 – May 2022 | Indore

Education

Master of Computer Applications (MCA)

Maharaja Ranjit Singh College of Professional Sciences | Jul 2022 – Jul 2024 | Indore

GPA: 3.3 / 4.00

Relevant Coursework: Machine Learning, Data Analytics, Deep Learning, Cloud Computing

Projects

E-commerce Sales Dashboard & Insights | **Tools:** Excel (Pivot Table, VLOOKUP), Power BI/Tableau, SQL | **Summary:** Assembled an interactive dashboard for a fictional e-commerce company. Orchestrated sales trend analysis, top-selling products, and regional performance using SQL queries.

Business Performance Analysis for Retail Chain | **Tools:** SQL, Excel, Power BI | **Summary:** Analyzed a multi-store retail dataset to evaluate KPIs such as profit margins, inventory turnover, and seasonal trends.

AI-Powered Customer Support Chatbot | **Tools:** Python, NLP (NLTK / spaCy), Flask, Dialogflow, SQLite | **Summary:** Innovated an AI chatbot using NLP techniques to automate customer support, reducing query response time by 60% and improving user satisfaction.

Fake News Detection Using Machine Learning and NLP | **Tools:** Python, Pandas, Scikit-learn, TF-IDF, NLP, Logistic Regression | **Summary:** Implemented a machine learning model using NLP and TF-IDF to detect fake news with 92% accuracy, improving media verification and content credibility.

Technical Skills

Languages: Python, SQL, Unix, Java, C, HTML, JavaScript, CSS

AI/ML: Machine Learning, Deep Learning, NLP, Computer Vision

Frameworks: TensorFlow, PyTorch, Transformers, NLTK, OpenCV

Databases: MySQL, PostgreSQL, MongoDB, NoSQL

Analytics & Visualization: Tableau, Power BI, Advanced Excel, Pandas, Matplotlib, Seaborn, data visualization, Business Insights, Cloud: AWS (EC2, S3, S2, Lambda), Google Cloud, Azure

Tools: Git, Docker, Jupyter Notebook, VS Code, Google sheets

Design Tools: Blender, Figma, Canva, AutoCAD, Replit

Certifications

NLP & AI Certification – Infosys

Data Science & ML – Infosys

AWS Certified Cloud Practitioner – AWS

JPMorgan Chase & Co. Virtual Software Engineering Experience

Advanced Python & Django – CodeClause

Deloitte Australia Data Analytics Job Simulation on Forage - July 2025

Interests & Activities

Explored complex AI concepts through regular consumption of industry-leading blogs and publications, synthesizing findings to fix the three biggest causes of chatbot crash errors, increasing user satisfaction 15%.