

Rohit Kumar Pali

Data Scientist

Bhilai, Chhattisgarh • rohit09pali@gmail.com • +91 7987352775 • [LinkedIn](#) • [GitHub](#)

PROFILE SUMMARY

Accomplished Data Scientist with a robust foundation in machine learning and data-driven solution development. Enthusiast with hands-on experience in designing, implementing, and optimizing ML models and algorithms—with predictive modelling, data preprocessing, cleaning, analysis and business intelligence to derive actionable insights. With a strong foundation in machine learning, deep learning and statistical analysis, I am eager to apply my analytical skills to solve complex problems and optimize business processes. Passionate about continuous learning and innovation, I am looking for opportunities to contribute and grow in a dynamic, data-driven environment.

TECHNICAL SKILL

- Programming and Scripting:** Python, SQL (MySQL, NoSQL), HTML, CSS, JavaScript.
- Frameworks and Libraries:** NumPy, Pandas, Scikit-Learn, TensorFlow, PyTorch, Keras, Matplotlib, NLTK, Streamlit, Requests.
- Database Management:** MS SQL Server, MongoDB, Oracle, MySQL, PostgreSQL, Snowflake.
- AI/ML Techniques:** Regression, Classification, Clustering, NLP (text generation, summarization, classification), Neural Network optimization, Deep Learning Basics, Gradient Boosting, Mlops Basics (model deployment, CI/CD pipelines).
- Business Intelligence and Strategy:** Web scraping, KPI Metrics, Statistical Analysis, Forecasting, A/B Testing, Hypothesis Testing.
- Tools:** PowerBI, Excel, PowerPoint, MongoDB, Tableau.
- Development Platforms and Cloud Platform:** VS Code, Jupyter Notebook, Anaconda, AWS, Google Cloud Azure.
- Soft Skills:** Strong stakeholder and people management, report building, technical documentation, problem-solving, and communication excellence.

PROFESSIONAL EXPERIENCE

- Binomial Analytics | Trainee Software Developer****March 2024 – July 2024**
 - Developed and deployed SQL-driven applications using C#, HTML, CSS, and .NET, enhancing data processing speed by 30%.
 - Debugged and tested software, reducing error rates by 25% through rigorous testing and code refinement and integrated new features based on client feedback, achieving a 90% post-release satisfaction rate.
 - Designed and maintained SQL databases, improving query performance by 30%, supporting business intelligence and reporting.
 - Created PowerPoint presentations and Word documents for project insights, feature updates, and client solutions and conducted competitor application analysis, providing recommendations to improve functionality and usability.
- NIT Warangal | Machine Learning Intern****April 2023 – August 2023**
 - Researched Federated Learning, leading to a model with improved data privacy by distributing training across devices.
 - Developed a Type-1 Diabetes Predictor model using advanced ML techniques, achieving 89% accuracy.
 - Analyzed datasets with Python libraries (Pandas, Seaborn), enhancing feature selection for model precision.

PERSONAL PROJECTS

- Sales Insights Analysis | MS SQL, Power BI****November 2024 – January 2025**
 - Conducted Sales Insight Analysis by utilizing SQL for data extraction, transformation, and aggregation.
 - Designed and developed interactive dashboards in Power BI to visualize key sales metrics and trends.
- Finance Analysis | Python, Machine Learning****September 2024 –November 2024**
 - Developed predictive models to analyze financial trends and patterns, enhancing decision-making capabilities.
 - Performed extensive data preprocessing and feature engineering for improved model reliability and accuracy.
 - Achieved an 78% accuracy rate in financial analysis and deploying a machine learning model.
- Courier Cost Analysis | Python, MS-Excel****September 2023 – November 2023**
 - Conducted cost analysis for an e-commerce company, optimizing delivery charges across five courier services.
 - Developed Python scripts for data analysis and visualization, enhancing the accuracy and reducing delivery expenses by 15% of cost-comparison processes.
 - Prepared comprehensive, data-driven reports with actionable recommendations, supporting management’s cost-reduction initiatives
- Type-1 Diabetes Insulin Predictor | Python, Machine learning, PowerBI , MS SQL Server****April 2023 – August 2023**
 - Achieved an 89% accuracy rate in predicting diabetes in individuals by developing and deploying a machine learning model.
 - Performed extensive data preprocessing and feature engineering for reliability and conducted statistical experiments, Data analysis, cleaning, and exploratory data analysis (EDA).
 - This project shows a blend of machine learning proficiency, data handling expertise, and cloud deployment skills.
- Car Price Prediction | Python, Machine Learning****August 2022 – December 2022**
 - Achieved a high accuracy rate in predicting car prices by developing and deploying a machine learning model.
 - Conducted statistical analysis, data cleaning, and EDA to uncover key factors influencing car prices.
- Personal Portfolio | HTML, CSS, JavaScript****May 2022 – July 2022**
 - Designed a personal portfolio website showcasing projects, skills, and experience using HTML, CSS, and JavaScript.
 - Implemented a responsive and user-friendly interface, ensuring smooth navigation and accessibility across devices.

EDUCATION

Bhilai Institute of Technology, Durg Master’s of Computer Applications 2022-2024	University of Hyderabad, Telangana Diploma In AI/ML 2021 – 2022	G.D Rungta College of Science and Technology, Bhilai Bachelor’s of Computer Applications 2016 - 2019
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CERTIFICATION AND ACHIEVEMENTS

- [Hacker Rank Certificate](#): SQL(Advance), Python (Basic)
- [Hacker Rank](#): SQL-4Star Badge, Python-3Star Badge