

Manodip Lohar

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 LinkedIn |  GitHub |  Twitter

Pune, Maharashtra - 412308, India

SKILLS

- Programming Languages:** C++, Python
- Web Technologies:** ReactJS, HTML5, CSS3, Bootstrap
- Database Systems:** MongoDB, MySQL
- Cloud Technologies:** Microsoft Azure
- DevOps & Version Control:** Docker, Git, GitHub
- Data Analysis & Visualization Tools:** Power BI, Cognos
- Other Tools & Technologies:** Machine Learning, NodeJS, Express.js

EXPERIENCE

• Capgemini

August 2025 - Present

Pune, India

Project : Metlife

- Migrated large-scale enterprise data warehouse workloads from IBM BigSQL to Apache Impala, ensuring data integrity and schema compatibility.
- Identified and resolved performance bottlenecks related to joins, aggregations, and data distribution.
- Achieved significant query execution time reduction through optimization of SQL logic, partitioning, and query tuning in Impala.
- Collaborated with cross-functional teams (data engineering, BI, infrastructure) to ensure seamless transition with minimal downtime.
- Executed migration and validation for 500 BI reports, maintaining functional parity across platforms.

PROJECTS

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Mental Health Detection

Mar 2025 - Apr 2025



Machine Learning, Python, MongoDB, Express.js, Node.js, Bootstrap, Speech Recognition

- * Designed and developed a machine learning model to predict levels of Depression, Anxiety, and Stress by analyzing responses to the standardized DASS-42 psychological assessment
- * Trained and optimized a Random Forest classifier, chosen for its ability to handle complex decision boundaries and provide high accuracy across multi-class mental health categories
- * Created a user-friendly interface for individuals to anonymously complete the questionnaire and receive personalized insights based on model predictions

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Chat App: [Full Stack]

Aug 2024 - Sept 2024



(MongoDB, Express.js, React, Node.js, Tailwind CSS, Websockets)

- * Developed a real-time chat application using the MERN stack
- * Implemented WebSockets for real-time authentication for login and register portal
- * Created features like online status, user avatars, and file attachments, ensuring an engaging and interactive user experience

EDUCATION

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Dr. D. Y. Patil Institute of Engineering, Management and Research

2021 - 2025

Pune, India

Bachelor of Engineering (Computer Engineering)

* CGPA: 8.68

ADDITIONAL INFORMATION

Languages: English, Marathi, Hindi

Interests: Football, Reading, Gaming, Cricket, Trekking