

# Manodip Lohar

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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  
*Project : Metlife* Pune, India
  - 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

- **Mental Health Detection** Mar 2025 - Apr 2025  
*Machine Learning, Python, MongoDB, Express.js, Node.js, Bootstrap, Speech Recognition* [GitHub](#)
  - \* 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
- **Chat App: [Full Stack]** Aug 2024 - Sept 2024  
*(MongoDB, Express.js, React, Node.js, Tailwind CSS, Websockets)* [GitHub](#)
  - \* 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

- **Dr. D. Y. Patil Institute of Engineering, Management and Research** 2021 - 2025  
*Bachelor of Engineering (Computer Engineering)* Pune, India
  - \* CGPA: 8.68

## ADDITIONAL INFORMATION

**Languages:** English, Marathi, Hindi

**Interests:** Football, Reading, Gaming, Cricket, Trekking