

Dhir Thacker

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EDUCATION

Master of Science in Information Systems

Northeastern University, Boston, MA

Expected: May 2025

Courses: Advanced Data Science, Data Science Engineering Methods and Designing Advanced Data Architecture for BI

GPA: 3.76

Bachelor of Technology in Computer Science

Symbiosis International University, Pune, India

May 2021

Courses: Operating Systems, Database Management Systems, Data Structures and Algorithms, Computer Networks

TECHNICAL SKILLS

Programming languages: C++, Python, SQL, Shell scripting, Java, JavaScript, R

Databases: MSSQL server, SSMS, MySQL, Oracle SQL, PostgreSQL, MongoDB

BI tools: Alteryx, Talend, MATLAB, ER Studio, Tableau, Power BI, Azure Data Studio

Models/Frameworks: Matplotlib, Seaborn, Scikit-learn, Tensorflow, Neural Networks, Deep learning, Pyplot, Pytorch

Other tools: Git, R studio, MS Excel, Large Language Models (LLMs), Power Point, Jupyter Notebook, VS code, Service Now

WORK EXPERIENCE

Associate Business Analyst, Infosys Limited – Pune, India

January 2023 – August 2023

- Achieved **20% scalability growth** optimizing SAP systems to handle increased workload and performed database maintenance
- Boosted **system performance by 30%** with **upgrades** and performing Windows and LINUX/UNIX Filesystem administration
- Reduced daily processing times by 20%, facilitating data integration across multiple platforms, streamlining business processes and enhancing data flow and consistency
- Acted as the primary liaison between stakeholders and application teams, driving collaboration to enhance business intelligence

Systems Engineer, Tata Consultancy Services – Gandhinagar, India

July 2021 – October 2022

- Performed data migration and system maintenance activities, ensuring minimal downtime and improving system reliability
- Increased client satisfaction by **25% decrease in user-reported issues**, prioritizing incident resolution, effectively handling SAP OSS incidents
- Enhanced system security, **reducing unauthorized access by 40%** by analyzing business user requirements and enhancing user access roles
- Documented processes, delivering weekly status reports and providing training and knowledge transfer to new hires for smooth integration

Software Engineer Intern, Wednesday Solutions – Pune, India

January 2020 – June 2020

- Elevated website reliability and user experience by developing and integrating features, enhancing functionality and performance
- Developed a MERN stack employee management app that enhanced operational efficiency by utilizing React.js, Node.js, and MongoDB
- Upgraded website performance and operational efficiency, communicating progress, resulting in smoother workflows and functionality

ACADEMIC PROJECTS

Food Inspection data analysis | [Github](#)

March 2024

- Leveraged **Alteryx** and **Python (y-data)** for accurate data profiling, improving data loading efficiency with **Talend**,
- Constructed ETL data pipelines for continuous data integration, loading data via **SSIS** tool into **SSMS**, standardizing data collection procedures
- Performed data modeling, creating a **dimensional model** by identifying key factors impacting data accuracy through root cause analysis
- Crafted interactive visualization in Power BI, expanding the scope of stakeholders' data-driven decision making and communication

Remote Counselling Management System | [Github](#)

November 2023

- Led database development using advanced SQL techniques, creating a relational model (extended ER) with 11 entities
- Developed objects **stored procedures, functions, triggers** and **views** leveraging aggregate functions and joins, optimizing data transformation
- Designed an interactive dashboard on Tableau illustrating statistics and quantitative insights, aiming to improve customer service

Store Sales Forecasting | [Github](#)

April 2024

- Improved data analysis through **data cleaning and preprocessing** with Python, specifically with **Numpy and Pandas**
- Visualized sales trends using interactive dashboards, enhancing exploratory insights and aiding in strategic decision-making
- Created **machine learning models**, regression and time-series analysis to predict future sales focusing on various parameters(factors)
- Increased model performance** by conducting **hyperparameter tuning**, resulting in more reliable sales **forecasting**

PUBLICATION

KILO | [Github](#)

Journal of Information and Optimization Sciences | [Link](#)

October 2023

- Developed KILO, a fitness app that tracks workouts, monitors calories, and rewards users with achievement badges for physical activity
- Developed a Flutter application integrated with Firebase services, featuring a yoga pose-estimation machine-learning model directly on the device, demonstrating research and innovation with Pose Net technology