KARAN BHUVA
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EDUCATION

Depaul University,Chicago,IL
Master's of science in Management Information Systems June 2023 – March 2025
Coursework: Cloud Computing, Advanced Algorithms, Software Engineering, Data Visualization

Charusat University,India June 2019 - May 2022
Bachelors in Computer Applications (Major: Computer Applications)
Coursework: Object-Oriented Programming, Data Structures, Algorithms, Operating Systems, DBMS, Mathematics

TECHNICAL KNOWLEDGE

Languages / Frameworks: Python, Java, C++, JavaScript, XML, HTML, CSS, R,
Databases / Tools: MS SQL Server, PostgreSQL, NoSQL,
TOOLS / TABLEAU, GIT, AWS

EXPERIENCE

Software Developer December 2022– April 2023
Nativebite Technologies LLP *India*

- Developed a sentiment analysis system to understand hidden sentiments of customers in feedback/comments.
- Participated in code reviews and gained feedback from senior engineers in writing custom, scalable code.
- Tested and finetuned applications, reducing the instances of bugs by 9%.

ACADEMIC PROJECTS

Online bus ticket booking System | *Java,HTML,CSS,SQL*

- Implemented database normalization and indexing to optimize storage efficiency and query performance.
- Integrated a secure payment gateway to enable reliable and encrypted transactions.
- Designed and implemented user authentication to ensure secure access and personalized user experiences.
- Optimized SQL queries and backend logic to improve response time and system scalability.

Airbnb Listing Price Prediction – Regression Modeling | *R, Data Analysis*

- Preprocessed 32K+ listings, identified predictors like location and ratings.
- Applied log transformations, backward selection; achieved Adj. $R^2 = 0.5182$.
- Conducted residual diagnostics and model validation in a team setting.

Covid-19 Recovery rate Analysis | Tableau,Power Bi, R language

- Visualized recovery trends across 20 countries (Jan–Jul 2020).
- Created and refined complex charts in Tableau to depict multi-dimensional data, enhancing understanding of pandemic trends and recovery outcomes.
- The visualizations contributed to a broader academic project that aimed to illustrate differences in health response effectiveness worldwide, offering valuable insights for public health strategies.
- Collaborated on data analysis and storytelling for public health insights.