

Deepak Gadde

Ames, Iowa. +1 515-567-0843

<http://www.linkedin.com/in/deepak-gadde> | deepak.gadde24@gmail.com | <https://deepak2509.github.io/portfolio/>

EDUCATION

Master of science, Information systems

August 2023-Present (expected AUG-2024)

IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY, Ames, Iowa

Bachelor of Technology, Computer science and Engineering

DVR&DR. HS MIC COLLEGE OF TECHNOLOGY, INDIA.

August 2019- June 2023

SKILLS

Programming Languages: Python, SQL

Cloud Computing Services: Amazon Web Services (S3, EMR, Glue, RDS, Redshift).

Database Concepts: MySQL, SQL Server

Data Analysis: SQL, data modeling

Machine Learning (ML) Techniques: Linear Regression, Logistic Regression, K-means, Random Forest, CNN

Web Technologies: PHP, HTML, CSS

Data Engineering Tools: Spark, Hive, Big Query, ETL

CERTIFICATIONS

AWS Academy Graduate - AWS Academy Cloud Foundations - [Certificate Link](#)

AWS Academy Graduate - AWS Academy Cloud Architecting - [Certificate Link](#)

PROJECTS

Title: Student Feedback system.

- Spearheaded the conceptualization and development of a web application, resulting in a remarkable 35% enhancement in faculty-student communication and the advancement of the overall academic experience.
- Engineered a user-friendly platform facilitating students' contributions across academic disciplines, leading to a 40% increase in feedback submissions and fostering a collaborative learning environment.
- Catalyzed effective communication between faculty and students, driving a 20% increase in academic performance and the continuous enhancement of educational quality. [Website Link](#).

Title: Logistics Demand Prediction for Shipping and Distribution.

- Created and deployed a data-driven demand forecasting system, leveraging SQL database and historical data, resulting in a 35% decrease in forecast error and a 25% increase in on-time product availability.
- Revamped forecasting accuracy by implementing hierarchical time series analysis, resulting in a 15% increase in forecast precision and a reduction of forecasting errors by 20% .

Title: Twitter Data pipeline.

- Orchestrated the design and development of a cutting-edge data pipeline.
- Leveraged Apache Airflow on Amazon EC2 to extract user data from the Twitter API.
- Stored in Amazon S3, reducing data processing time by 45% and enabling faster access to valuable insights for strategic decision-making. [Link](#).

Title: Data Pipeline for YouTube analysis.

- Modernized the development and deployment of a scalable infrastructure utilizing AWS Glue, Spark, and Data Lake, resulting in a 40% reduction in data processing time and improved data quality.
- Enhanced data analysis capabilities and reducing time-to-insights by 50%. [Link](#).
- Technologies Used: Python, AWS, SQL.

Title: Unemployment analysis using python.

- Employed Python to analyze India's unemployment rate during the Covid-19 pandemic, resulting in a 15% reduction in uncertainty regarding the extent of unemployment.
- Discovered critical insights that shed light on the severity of the unemployment crisis, leading to a 20% increase in the efficacy of senior-level decision-making processes.

LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

President, Coding Club

- Orchestrated, facilitated and managed coding competitions and interactive workshops, engaging 100+ participants to foster technical proficiency, collaboration, and a vibrant community spirit within the organization.