MANOJ KUMAR REDDY SODUM   manojreddy7402@gmail.com
(320)-339-6951

SKILLS

- **Development:** HTML, CSS, Python, Java, Spring-boot, J unit, Angular JS, JavaScript, SQL, Pandas, NumPy.
- **Cloud:** AWS CloudWatch, AWS RDS, AWS Sage maker, EC2 instances SQL databases and MongoDB.
- **DevOps:** Git, CI/CD, Jira, Agile methodologies.

EXPERIENCE

Clarivate   *Associate Software Engineer*   Jul 2022–Jul2023

- Developed and maintained a responsive, scalable web application using Angular and backend (Spring Boot).
- Created RESTful APIs to support the frontend migration. Implemented code adhering to MVC architecture.
- Optimized database query time by 25% (from 1 min to 45 sec), using SQL Data Definition Language commands.
- Demonstrated versatility by tackling internal bug fixes, enhancements, and new feature development.
- Developed secure shell scripts for complex Linux operations and AWS integration, enhancing system efficiency.
- Managed EC2 instances for application servers, used RDS for database hosting, and monitored logs with AWS CloudWatch.

Capgemini   *Software Engineer Intern*   Mar2022 – Jun2022

- Developed and maintained ETL processes using Informatica PowerCenter to extract data from various sources and load into Snowflake data warehouses.
- Implemented data validation scripts and checks to maintain data quality and integrity during the ETL process.
- Composed SQL queries to extract data from the database, ensuring seamless data retrieval for system functionalities for reliable operation.
- Conducted detailed analysis of source code to pinpoint and address functionality issues, resulting in improved system performance and reliability.

PROJECT WORK

Hate Speech Detection in English and German – *Python, Machine Learning Models.*   April-May 2024

- Developed a multilingual hate speech detection system utilizing mbret and Recurrent Neural Networks (RNN) models, achieving F1 scores of 0.91 and 0.85 for English and German respectively.
- Focused on detecting hate speech in social media data from X (formerly Twitter), overcoming challenges in sarcasm detection and multilingual text preprocessing.

Food-Application– *Angular JS, Spring Boot, Bootstrap, and SQL*   Sep 2023

- Developed a Food-Application with separate portals for managers and staff to streamline food ordering, menu creation, and order management within the company, enhancing overall efficiency.
- Enhanced the order confirmation procedure, empowering staff to quickly email customers with order details, including the order number and bill.

Career Guidance System using ML – *C#.NET, MS SQL Server, HTML, CSS, and JavaScript.*   Feb 2022-May 2022

- Created a student career prediction system for educational institutions, using Naïve Bayes Algorithm to match students' skills with suitable career paths.
- Enabled administrators to input student data, including academic results and skills, to classify students into career categories such as IT, Business, Teaching, Banking, and Core.

EDUCATION

St Cloud State University, St Cloud, MN   Aug 2023 – Jul 2025
Master of Computer Science – 4/4 GPA

- Computer Science Club – Club Member.
- Relevant Coursework –Machine Learning, Advance Operating Systems, NLP, Deep learning
- Graduate Teaching Assistant for Java script, C++

Visvesvaraya Technological University, Karnataka, India   Aug 2018 – Jul 2022
Bachelor of Electronics and Communication Engineering – 3.3/4 GPA

- Open-Source Lab - Secretary
- Relevant Coursework – Data Structures & Algorithms, Artificial Intelligence, Java programming, C++