Narasimha Charyulu Gudimella

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EDUCATION

University of North Texas | Denton, TX — Dec 2024
Master of Science – Computer Science — GPA: 3.77
Relevant Coursework: Data Visualization, Computer Algorithms, Fundaments of Database, Big data and Software Engineering, Advanced Python Programming, Cloud Computing, Artificial Intelligence

Matrusri Engineering College | Hyderabad, India — May 2022
Bachelor of Engineering – Electronics and Communication Engineering — GPA: 3.40
Relevant Coursework: AI, Machine Learning, Computer Operating Systems, Computer Networks

TECHNICAL SKILLS

Data Analytics Algorithms: Linear Regression, Logistic Regression, K-Mean, KNN, Neural Network
Deep Learning: Convolutional Neural Networks (CNN), Recurrent Neural Networks (RNN)
Software: Tableau, TensorFlow, MySQL, MapReduce/Hadoop, Hive, Spark, Power BI, Flask
Programming Languages: Python, C#, C++, Java for Data Acquisition, Cleaning, Exploratory Data Analysis, Machine Learning, Angular 8, Dependency Injection, Services, ASP.NET, MySQL, Data Structures and Algorithms
AI Frameworks and Tools: TensorFlow, PyTorch, Scikit-learn, NLTK
Project Management: Agile, QA Wolf Testing

WORK EXPERIENCE

Cognizant, Intern | Hyderabad, India
Full-stack Intern — Apr-Sep 2022

- Developed and integrated 8 front-end modules using Angular, reducing development time by 30% and ensuring effective communication with back-end services.
- Created a customization framework with Java and other languages such as Python and C#, improving application flexibility and cutting configuration time by 25%.
- Enhanced Angular applications by implementing lazy loading, resulting in a 40% faster load time and improving user experience significantly.
- Designed high-performance back-end solutions with .NET Core and C#, successfully handling over 10,000 concurrent users and maintaining response times under 200 milliseconds.
- Spearheaded the development of database solutions with Entity Framework, achieving a 50% rise in query performance by optimizing indexing strategies.

PROJECTS

MY Store – Website, Angular Project — Jan 2023

- Architected dynamic, interactive web pages for MY Store, a cutting-edge e-commerce platform using Angular.
- Designed user interfaces, ensuring smooth integration with back-end systems for optimal performance.
- Focused on delivering a flawless user experience, prioritizing variety, value, and choice for the platform.

Food Delivery Time Predictor Using Machine Learning — Oct 2024

- Developed a machine learning model using Linear Regression and Random Forest to predict food delivery times, achieving an accuracy of 85% in predictions.
- Analyzed historical data from over 10,000 deliveries and implemented a real-time prediction system with a Flask dashboard, providing users with delivery estimates within 5 minutes of order placement.

Dynamic Web Application for Customized User Experiences — Aug 2022

- Built a task management app using Angular and .NET Core, with real-time updates and a responsive design.
- Created secure APIs using Entity Framework and improved database performance by 25%.
- Implemented authentication, automated testing, and streamlined deployment with GitHub Actions.
- Developed an analytics module to generate task progress reports in PDF and Excel formats.