

Praveen Kumar Chettibilli

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EDUCATION

University of North Carolina at Charlotte

Masters in Information Technology with Concentration in Emerging Technologies

Aug. 2023 - Dec. 2024

CGPA - 3.75

Vignan's Institute of Information Technology

Bachelor in Computer Science and Engineering

Jul. 2017 - Aug. 2021

CGPA - 7.84

EXPERIENCE

University of North Carolina at Charlotte

Instructional Assistant for the course "Database Design" under Prof. Zahra Saghale Dehkordi

Aug 2024 – Present

- Responsibilities included assisting the professor in designing and implementing assignments and providing guidance on theoretical concepts and practical applications.
- Facilitated student engagement through effective communication and hands-on demonstrations, fostering a collaborative and interactive learning environment. Additionally, I contributed to the assessment and grading process, ensuring fair evaluation of student performance.

Infosys Ltd.

.Net Full Stack Developer | Client - Cox Communications, US

Sep. 2021 – July. 2023

- Developed web application components with Angular and .NET Core, including RESTful APIs for CRUD operations using ASP.NET Core WebAPI and stored procedures for data management with MySQL.
- Tested APIs using Postman and contributed to the design, development, and authoring phases of the software development lifecycle. Resolved defects identified by the QA team..
- Provisioned EC2 instances and IAM roles in AWS for secure, scalable applications with optimized performance and auto-scaling.

PROJECTS

Personal Budget Management | *Angular, JavaScript, D3JS, MongoDB, Heroku, Digital Ocean, NodeJS, Git*

- Developed a full-stack web application with NodeJS and Angular to analyze spending and track future expenses, featuring interactive graphs and tables.
- Implemented responsive graphs and tables using D3JS for dynamic and interactive data visualization.
- Utilized MongoDB for efficient data storage and retrieval in the application.

Climate Data Analysis System Using MapReduce and Hive | *Java, Apache Hadoop, Linux*

- Developed a robust climate data analysis system using MapReduce and Hive to process and analyze GHCNd historical climate data.
- Designed MapReduce jobs for temperature and precipitation analysis, and HiveQL queries to identify extreme weather events and long-term climate trends.
- Ensured data quality through preprocessing and leveraged distributed computing for efficient large-scale data processing.

V Blog | *Python, Django, MySQL, Heroku, Git*

- Developed a full-stack web application for a university blog using Django and MySQL, enabling the posting of tech-related information and current activities.
- Facilitated easy website access by implementing a feature for users to create individual accounts, streamlining the registration process.
- Enhanced account security with an email confirmation system to verify user accounts and prevent unauthorized access.

TECHNICAL SKILLS

Languages: TypeScript, C#, Java, Python, C/C++, SQL, JavaScript, HTML/CSS

Frameworks: Angular, .NET Framework, React, NodeJS, Bootstrap, ReactJS, Django, Material-UI, FastAPI

Backend Technologies: .NET Core, .NET MVC, .NET Core WebAPI

Developer Tools: Git, Docker, AWS, Azure, Digital Ocean, SSMS, VS Code, Visual Studio, Postman, IntelliJ, Eclipse

AI/ML: Pandas, NumPy, Matplotlib, Hadoop, Spark, Hive