

Giri Nithin Yogendra

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EDUCATION

University of Texas at Arlington

Master of Science in Computer Science

Cumulative GPA: 4/4

Relevant Coursework: Distributed Systems, Web Programming, Artificial Intelligence, Algorithms, Databases Systems

Arlington, TX

Expected Dec 2024

Jawaharlal Nehru Architecture and Fine Arts University

Bachelor of Technology in Computer Science

Cumulative GPA: 3.89/4

Hyderabad, IND

Aug 2018 - Jul 2022

TECHNICAL SKILLS

Programming Languages: C, C++, JavaScript, Java, Python, SQL, HTML, CSS

Frameworks/Libraries: React.js, Django, TensorFlow, PyTorch, Pandas, NumPy, Matplotlib, Hadoop, Spark, SciKit-Learn

Tools and Technologies: AWS, Linux, Git, PostgreSQL, MongoDB, Tableau, Snowflake, Kafka, Databricks, PowerBI

WORK EXPERIENCE

University of Texas at Arlington

Student Assistant - Game Technology

- Troubleshooted and fixed game technology such as controller repair and console maintenance regularly
- Conducted workshops of Game Development using Unreal Engine and C++ with a retention rate of 75%

Arlington, TX

May 2023 – Present

University of Texas at Arlington

Research Assistant

- Developed a Python script to mine 325 Simulink model's metrics from Matlab Central and Github and store in a SQL DB
- Re-designed and programmed a responsive front-end application using React.js and improved the loading time by 25%

Arlington, TX

Jan 2023 – May 2023

UNIVERSITY PROJECTS

Open Glass - Project Showcase Web Application | Javascript, React.js, Express.js, Node.js, MongoDB

- Designed and developed a full-stack project showcase web application where people can share projects or ideas
- The application features include user authentication using JWT and sessions with cookies, CRUD operations for user sign-up, login, projects, ideas, comments, view/filter/search projects, with smooth image and resume upload
- Integrated with Amazon S3 for seamless storage of user uploads and files

Text Analysis and Data Analysis for Airlines | Python, Numpy, SciKit-Learn, SQL, NLP

- Analyzed 30,000+ flights globally with SQL, predicted key business goals and devised sentiment analysis for 14,000+ tweets with NLP pre-processing, LSTM-trained model achieving 96% accurate sentiment prediction

College Admission Predictor | Python, Numpy, SciKit-Learn

- Implemented machine learning algorithms to predict the chance of admission in a university using Numpy and SciKit-Learn
- Computed optimal parameter values using GridSearchCV and trained the model on 126010 records with an accuracy of 90%

Wikipedia PageRank Algorithm | Java, Hadoop, Map-Reduce

- Programmed PageRank Algorithm to find the most popular pages from the Wikipedia dataset using the MapReduce
- Computed the fifty highest-ranked nodes in a dataset containing 5.6 million page links using the MapReduce framework
- Executed and tested the algorithm on Amazon Elastic Map-Reduce(EMR)

Redline Racing | C#, Unity3D, Blender

- Built a 3D Car racing game in Unity3D and optimized many car physics algorithms, pathfinding algorithms which improved the user experience by 60%