

Sridhar Nandigam

sridharnandigam.com

Email : nandigamsridhar.v@gmail.com

github.com/sridharnandigam

linkedin.com/in/sridharnandigam/

Mobile : +1-817-999-4796

EDUCATION

- **University of Texas at Austin** Austin, TX
Bachelor's in Computer Science; GPA: 3.7 Aug 2021 – May 2024
 - Relevant Coursework: Data Structures, Discrete Math, Computer Architecture, Operating Systems, Distributed Computing, FRI Autonomous Robotics, Principles of Machine Learning

SKILLS

- **Languages:** Python | C++ | C | Rust | HTML | CSS | Javascript | C# | Java | R
- **Libraries:** PyTorch | Tensorflow | Matplotlib | React **Backend:** Node | Express | FastAPI
- **Databases:** Snowflake | MongoDB | SQL Server | MySQL | Firebase **Cloud Platforms:** AWS | GCP

EXPERIENCE

- **Amazon Web Services - Redshift** Austin, TX
Software Engineer Intern May 2023 - July 2023
 - Developed fully automatic CI/CD pipeline to reduce deployment on-call time from 5 days to 2 days with automatic merging, testing, deployment, and rollbacks along with necessary infrastructure.
 - Wrote end-to-end integration tests in Java for Redshift database cluster failure remediation functionalities increasing coverage by 250%
- **Autonomous Robotics Lab at UT** Austin, TX
Undergraduate Researcher August 2022 - May 2023
 - Developed program on Building Wide Intelligence v4 robot with ROS to detect and follow a human target as part of Freshman Research Initiative project
 - Revamped Building Wide Intelligence project code base for ROS2 with Simultaneous Localization and Mapping using gmapping package
- **CGN Global** Peoria, IL
Software Engineer Intern June 2022 - September 2022
 - Developed data pipeline scheduling tool for entire team of hundreds of solution architects with Apache Airflow and DBT to create and execute data transformations on Snowflake data warehouse
 - Prototype new data engineering tools as alternatives for current infrastructure with Apache Beam
- **Data Engineer/Solution Architect Intern** Feb 2021 - May 2022
 - Architected data solution for top client as part of deliverable worth thousands of dollars in an ETL staging server with SQL
 - Automate weekly data backups to avoid losing data from important clients with versatile C# program to upload any data table from APIs into a SQL Server database
 - Debugged and fixed data transform issues in production environment for over 800 active users using SQL
 - Designed SQL data pipelines to support provision of enterprise data for transactional reporting and dashboards
- **Biomedical AI Lab at UNT** Denton, TX
Machine Learning Engineer Researcher May 2020 - Jan 2021
 - Developed Android AI application to recognize gestures by holding a smartphone for easy communication for patients with cerebral palsy
 - Generated 6 MB accelerometer dataset with Java Android API and processed with Pandas and Numpy
 - Created LSTM model with Keras to detect 11 gestures with 93% accuracy using accelerometer data
 - Co-authored a chapter of Bridging Human Intelligence and Artificial Intelligence regarding autoencoders, embeddings, and dimensionality reduction with over 5.5k accesses on Springer