

Sajib Sen

linkedin.com/sajib-sen-cs/
github.com/Sen2k9

Email : sajibsen.cs@gmail.com
Mobile : +1-901-265-9459
3571 Midland Ave, Memphis, TN

EXPERIENCE

- **ReTrans, Inc., A Kuehne & Nagel Company** Memphis, TN
Software Engineer, Full-time, Contract *Jun. 2020 - Present*
 - Writing Python and Django solutions for Electronic Data Interchange (EDI) communications, reporting, invoicing, and tracking with the MercuryGate Transportation Management System (TMS).
 - Integrating rail carrier for multi-modal TMS project with deploying new feature into production.
 - Investigating and fixing production issues while maintaining the large scale industry integration service.
 - Automated manual processes for invoicing and increased business quality and speed for customers.
 - Collaborating daily with product managers, team lead and business analysts for planning and execution; performing data analysis on customer and carrier raw data to facilitate high-level business planning.
- **ReTrans, Inc., A Kuehne & Nagel Company** Memphis, TN
Software Engineer Intern, Part-time *Sept. 2019 - Dec. 2019*
 - Increased 10% test coverage for CI testing of the production ready code by writing regression test.
 - Migrated legacy codebase to Python3, documented, and reported issues in Agile team meeting.
 - Solved immediate software issues of EDI communications, extracts, file-parsing, and invoicing.
- **UMRF Ventures Inc.** Memphis, TN
System Analyst Intern, Part-time *Sept. 2019 - Dec. 2019*
 - Analyzed big datasets and presented findings using machine learning algorithm into visualizations.
 - Improved 50% stored data health provided by FedEx InfoSec team comparing with Splunk's CIM.
 - Looked for trends in data and created knowledge articles with explanations of various data sources.
- **University of Memphis** Memphis, TN
Research Assistant, Part-time *Aug. 2017 - Sept. 2019*
 - Implemented deep learning model to differentiate between morphed and real face image using python.
 - Analyzed algorithmic biases for prediction and optimization of robotics paths using explainable AI.
 - Led development and increased 20% participation in FEMA Projects using Python, Linux, and Javascript.

EDUCATION

- **University of Memphis** Memphis, TN
Master of Science in Computer Science, Overall GPA: 3.87/4.00 *Aug. 2017 - May 2020*

PROJECTS

- **Rent-A-Car:** Software as a Service (SaaS) application to rent cars using Django, Python, SQLite.
- **Premium Fitness:** Paid membership service provider on the web using Stripe REST API with Django, Python.
- **Hackathon Organizer:** A web-based events (hackathon) management system using Ruby on Rails and MySQL.
- **Big File Converter:** JSON to parquet/avro file conversion and vice-versa using NoSQL, PySpark and Django.
- **Reviewer Verification:** A web-based reviewer verification system using Django, Python, and NLTK.

LANGUAGES AND TECHNOLOGIES

- **Programming/Scripting Languages:** Python, SQL, Bash, HTML5, CSS3, JavaScript, Java.
- **Technologies:** Linux, Django, Git, MySQL, AWS, Docker, Elasticsearch, Redis, Plone.

PUBLICATIONS

- **Sen S., Dasgupta D., Gupta K.D.** *An Empirical Study on Algorithmic Bias.* 2020 IEEE 44th Annual Computers, Software, and Applications Conference (COMPSAC), Madrid, Spain, 2020, pp. 1189-1194.