Shaunak Sangdod

Developer– Albany Visualization and Informatics Lab (AVAIL)

AVAIL

Shaunak Sangdod is a Data Science Programmer at AVAIL. Joined in the spring of 2019, Mr. Sangdod has worked on openstreetmap conflation with INRIX and Linear Referencing System data under NPMRDS project. His work also involves performing routing operations and creating routable topologies from the conflated data and managing databases for the same.

Education

- Master`s of Science, Computer Science, University At Albany, State University of New York, Albany 2018
- Bachelor of Technology, Computer Engineering, DDU, 2015

Professional Highlights

- Data Science Programmer, AVAIL, University at Albany, 2019-Present
- Data Analyst/Student Assistant, Center for Women in Government and Civil Society, 2018
- Student Assistant/TA, Department of Computer Science, 2017-2018
- Graduate Engineering Trainee – SAP ABAP, Essar/AEGIS, 2015

Related Projects

Conflation – NPMRDS

Mr. Sangdod is the conflation and routing developer under NPMRDS project. His work involves manipulating geospatial data to conflate multiple data sources to openstreetmap data. While extending the same for routing, it can be used to access different data sources at once, which could be extended to be used in multiple projects. This also makes visualizing the different datasets straightforward.

Immigration Integration Index

Mr. Sangdod extended the III portal to include additional analysis. He also automated the research data processing by developing a dynamic tool which can be used for future ACS PUMS analyses, cutting the manpower and time needed predominantly and increasing the efficiency and accuracy. In addition to this, he also extended the layout for added functionalities.