

Shoumik Rahman

Teaching assistant

Orangeburg, SC - Email me on Indeed: [indeed.com/r/Shoumik-Rahman/269b7064cfdb6ba2](https://www.indeed.com/r/Shoumik-Rahman/269b7064cfdb6ba2)

WORK EXPERIENCE

Teaching assistant

Department of Geography, Florida State University - Tallahassee, FL - August 2013 to May 2017

Tallahassee, Florida

Data Scientist

SC Department of Health - Columbia, SC - June 2008 to June 2013

- o Used SQL and JavaScript to query and manage large databases.
- o Performed multivariate receptor modeling with principal component analysis (PCA) to identify major sources of air pollution using space-time trajectory analysis.
- o Analyzed air pollution data for historical trends and performed network analysis to determine air monitoring needs for State of South Carolina.

EDUCATION

Ph.D. in Remote Sensing

Florida State University - Tallahassee, FL

August 2013 to May 2017

Master's in Environmental Resource Management

University of South Carolina - Columbia, SC

January 2006 to December 2007

Bachelor's in Environmental Science

York University - Toronto, ON

August 2000 to April 2004

SKILLS

BAYESIAN (5 years), MACHINE LEARNING (3 years), PYTHON (7 years), STATISTICS (10+ years), CLUSTERING (4 years)

LINKS

<http://srahman.strikingly.com>

ADDITIONAL INFORMATION

SKILLS

Machine learning and data science: Regressions, Classifications, Artificial neural networks, Clustering
Programming with Python: Scripting tools, Automation and customization, Model Builder
Statistics with R: Bayesian computation, Regressions, Interpolation, Data analysis

Database management with SQL and JavaScript: Data queries and automations

Tools: Anaconda, RStudio, TensorFlow, Keras, pandas, matplotlib, numpy, scikit-learn, scipy