[‍‍SWAPNIL BHATTA](https://www.linkedin.com/in/swapnil-bhatta/)



**📍 Hattiesburg, MS| ☎ (601)466-3221| 📧** [**swpnl007@gmail.com**](mailto:swpnl007@gmail.com)

Data enthusiast with experience in data segmentation, predictive analytics and machine learning methods. Competent learner with positive work ethic and great communication skills. Most recent resume can be found here.

## EDUCATION

### University of Southern Mississippi | Hattiesburg, Mississippi | 2020 May

Bachelors of Science (Honors) | Mathematics | Physics & Astronomy

## RELEVANT PROFESSIONAL EXPERIENCE

### Teaching Assistant | University of Southern Mississippi | 2018 August – 2020 May

*Description and Duties:*

* Worked as a teaching assistant for the university’s school of mathematics and natural sciences. Responsible for conducting lectures on core principles implemented in experiments, supervising lab activities and grading reports, quizzes and tests. Taught the following courses;
* [General Physics Lab](http://catalog.usm.edu/preview_course_nopop.php?catoid=21&coid=109182&) (PHY 111L, 2018 & 2019 fall)
* [Advanced Electronics Lab](http://catalog.usm.edu/preview_course_nopop.php?catoid=21&coid=109191&) (PHY 327L, 2019 spring)

### Math Tutor | University of Southern Mississippi – Math Zone | 2016 March - 2018 May

*Description and Duties:*

* Worked as a mathematics tutor for the university’s Math Zone, tutored students in college level algebra, statistics, trigonometry and calculus.
* Responsible for articulating mathematical concepts to students that visit the Math Zone and helping them based on their individual needs.

## RELEVANT EXTRACURRICULAR EXPERIENCE

### [Data Analytics Virtual Internship | KPMG Australia](https://insidesherpa.s3.amazonaws.com/completion-certificates/KPMG/m7W4GMqeT3bh9Nb2c_KPMG_kvYHG9sGMdLJeAQN8_completion_certificate.pdf) | 2020 May – July

* A virtual internship at KPMG International Cooperative Australia through the Inside Sherpa platform.
* Worked on multiple stages of a data segmentation project. Used Python to identify limitations of the client’s dataset, quality assessment, and to process filtered data. Used Tableau for visualizations and dashboard.

### [Data Analytics Virtual Internship | ANZ Banking Group](https://insidesherpa.s3.amazonaws.com/completion-certificates/ANZ/ZLJCsrpkHo9pZBJNY_ANZ_kvYHG9sGMdLJeAQN8_completion_certificate.pdf) | 2020 June – July

* A virtual internship at ANZ banking group through the Inside Sherpa platform.
* Worked on financial transaction datasets. Used Python and Tableau for correlation analysis and predictive analytics based on the transaction data.

### Python Excel to MySQL: Analytic Techniques for Business Specialization| Summer 2020

### Data Driven Astronomy | Coursea | Summer 2020

## RELEVANT SKILLS AND QUALIFICATIONS

* Experience in data cleaning, segmentation, analytics and visualization through research and extracurricular data projects.
* Experienced in managing and executing large-scale objectives through competent planning and execution.
* Excellent written and oral communication acquired through experiences in leadership roles, branding and marketing.

## RELEVANT COMPUTATIONAL SKILLSET

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| --- | --- | --- | --- |
|  | Experienced | Competent | Advanced Beginner |
| Languages | FORTRAN\*, | Python\*, MATLAB\* | R\*, WolframCloud, MySQL |
| Environment | Windows\* | Linux\*, macOS |  |
| Hardware | PC\* | Mac |  |
| Software | Microsoft Office Suite\* | [Tableau](https://public.tableau.com/profile/swapnil.bhatta#!/)\* | Adobe Photoshop |

\*indicates certification or demonstrated usage in projects.

## RELEVANT RESEARCH PROJECTS

* [Statistical Analysis of Literacy rate and its relationship with GDP per capita](https://github.com/paws07/personal/blob/master/researchmaterials/datascience/Gapminder%20Report.pdf) | Capstone Project in Data Analysis | Spring 2019
* [Time Series Analysis of the Earth and Moon orbit](https://github.com/paws07/personal/blob/master/researchmaterials/datascience/Time%20Series%20Report.pdf) | Project in Data Analysis | Fall 2019