

# Swati Adhikari

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Portfolio: <https://sadhika7.github.io/> GitHub: <https://github.com/sadhika7> LinkedIn: <https://www.linkedin.com/in/adhikariswati/>

## EDUCATION

**University of Mississippi**, Oxford, MS

May 2020

Major: Bachelor of Science, Computer Science / Minor: General Business

*Cumulative GPA: 3.78/4.00*

**Relevant Coursework:** Data Structures and Algorithms, Database Management, Discrete Mathematics and Probability, Fundamentals of Data Science, Introduction to Computer Networks, Software Design and Development, Statistics

**Honors/Awards:** Sally McDonnell Barksdale Honors College, Chancellor's Honors Roll 2020

**Scholarships:** Academic Excellence Scholarship 2016-2020, Grace Hopper Scholar 2018

## PROFESSIONAL EXPERIENCE

**University of Mississippi**, Oxford, MS

August 2019 – April 2020

*Data Analyst Intern, Big Data and Visualization (Python, Spark, Hadoop, Machine Learning Algorithms)*

- Developed a sockpuppet detection tool to scrub over 2.6 million Reddit accounts with 80% accuracy identifying fake accounts
- Optimized data collection procedures and generated reports on a weekly and monthly basis
- Trained the data with the entities of a list of sockpuppet accounts published on Reddit

**Ericsson**, Plano, TX

May 2019 – August 2019

*Software Engineer Intern, Managed Services (Python, Elasticsearch, Selenium, Logstash, Kibana)*

- Developed a proof of concept to analyze and visualize Network Packet files provided by customers to help engineers tackle complex network problems with Elasticsearch and Kibana
- Performed web automation on data from RedHat with Python and Selenium and conducted data cleansing to further organize the data

## PROJECTS

### Natours Site

- Built a travel and tours web app allowing users to create itineraries for vacations and book directly with tour groups using Stripe API payments
- Enhanced the security of the application by programming authentication and authorization using JSON Web Tokens
- Programmed a RESTful API using Node.js which in turn communicated with the frontend to process and store all the tour, user and user reviews data in MongoDB

### Social Networking site for Students

- Built a social networking site allowing students to have discussions with fellow classmates where they can post discussions, like and comment
- Successfully launched the site to ~10 classes helping students with collaborative learning and time management
- Programmed the site using HTML5, CSS, Bootstrap, jQuery, JavaScript, AJAX, MySQL and used sessions to ensure the security of the application

### Food Delivery Web App

- Developed a food delivery app allowing restaurant owners to add their restaurant information to the database, customers to order meals from a variety of restaurants and drivers to register and deliver the orders to customers
- Programmed the site using HTML5, CSS, Bootstrap, jQuery, JavaScript and Firebase following SCRUM and Agile methodologies

## SKILLS

**Language:** Java, Python, JavaScript, C, PHP

**Front End:** jQuery, AJAX, HTML5, CSS, Bootstrap, React

**Back End:** Node.js, Express.js, MVC, Spring

**Database and Data Analysis Tools:** MySQL, MongoDB, SQL, NoSQL, Elasticsearch, Firebase

**Cloud-Based Technologies:** Hadoop, Spark, AWS

**Miscellaneous:** Git, NPM