

# Swati Adhikari



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Portfolio: <https://sadhika7.github.io>

GitHub: <https://github.com/sadhika7>

LinkedIn:

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## EDUCATION

### VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY (VIRGINIA TECH)

Blacksburg, VA

Master's in Computer Science Candidate (Expected graduation May 2023)

### Global Online Engagement Graduate Assistant

(Aug 2021 – Present)

### UNIVERSITY OF MISSISSIPPI

Oxford, MS

Bachelor of Computer Science (May 2020)

## CERTIFICATIONS

[AWS Cloud Practitioner Certification](#)

## SKILLS

**Front End:** jQuery, AJAX, HTML5, CSS, Bootstrap, React, Vue.js

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

### Database and Data Analysis Tools:

PostgreSQL, MySQL, MongoDB, SQL, NoSQL, Elasticsearch, Firebase, Microsoft SQL Server

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

**Methodologies:** Agile Software Development, Scrum, SDLC, Object Oriented Programming, Test-driven Development

**Programming Languages:** Java, Python, JavaScript, PHP

## EXPERIENCE

### APPLICATION DEVELOPER INTERN

*Mutual of Omaha, Remote / May 2022 - Aug 2022*

Enterprise Business Platform

- Worked on front-end development implementing features for the Product Definition Authoring UI Editor with Vue.js, electron, docker, AWS, and Jenkins, which was used across various teams in EBP
- Worked with DIAS and DIAO products and wrote calculation and validation rules to generate policy documents
- Built and tested applications and worked with the Business Analysts to ensure the implemented features met all the business requirements
- Participated in sprint planning, sprint reviews, feature planning, feature reviews, etc. following all the agile methodologies

### UNDERGRADUATE RESEARCH ASSISTANT

*University of Mississippi, Oxford, MS / Aug 2019 - Apr 2020*

Big Data and Visualization (Python, Spark, SQL, Hadoop, Machine Learning Algorithms).

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

### SOFTWARE ENGINEER INTERN

*Ericsson, Plano, TX / May 2019 - Aug 2019*

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.
- Collected, organized, analyzed, and disseminated information to analyze datasets using SQL.

## PROJECTS

### Android App Development

- Built an android app called Gallery in Kotlin which uses Flickr API to display pictures in both Grid View and a Map View

### Web App Development

- 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