

# SHIVANI AGARWAL

MS in Computer Science | +1 (315) 949-0972 | [agarwalshivani10411@gmail.com](mailto:agarwalshivani10411@gmail.com) | [website](#)

## PROFESSIONAL EXPERIENCE

### The Commons XR | San Diego, California, Full Stack Intern

May 2023 – August 2023

- Architected a secure **JSX**-based login page with advanced two-factor authentication, reducing unauthorized access attempts by 40%.
- Implemented **React.js** admin page, boosting platform efficiency by **25%** and saving **14 hours monthly**.
- Optimized website performance by removing **N+1 queries**, enhancing system efficiency and loading times.
- Revamped planning processes with **Agile** methodologies, increasing productivity and team deliverable confidence.
- Developed **RESTful APIs** for seamless integration between front-end and back-end components.

### IpserLab | Palo Alto, California, Web Developer Intern

May 2022 – August 2022

- Boosted user engagement by making informed decisions based on data insights, resolving a dropout issue and resulting in a 20% increase in user interaction.
- Worked closely with UI/UX and product designers to implement visually appealing and user-friendly features using **Figma**.
- Conducted **performance optimization** for improved user experience.
- Elevated user functionality in a video conferencing application by introducing a range of versatile meeting formats.
- Collaborated with 3 senior developers to brainstorm and implement ideas and feedback into app's development.

### University of California Berkeley | Berkeley, California, Summer Student Intern

June 2019 – August 2019

- Mastered **Python** programming skills through hands-on projects like MineSweeper, Sudoku, Weather Dashboard, and Tetris.
- Demonstrated leadership by guiding a results-oriented team to successfully develop an innovative E-commerce Platform.

## PROJECTS

### Uncovering Sarcasm on Reddit | Tech Stack: Python, Keras, TensorFlow

- Conducted data pre-processing and feature engineering on a **1.3 million-record dataset**.
- Constructed two distinct **deep learning**-based RNN models: a basic LSTM and a bidirectional LSTM.
- Improved training efficiency by 80% by implementing a **machine learning** pipeline capable of handling data chunks and executing batch training processes.

### Healthcare Data Integration and Reporting | Tech Stack: SQL, Power BI, Tableau

- Integrated diverse healthcare data sources via SQL for seamless data flow.
- Developed complex SQL queries ensuring precise data extraction and transformation.
- Created SQL reports and dashboards for key performance indicators and patient outcomes.
- Employed **Tableau** for dynamic healthcare data visualizations.
- Integrated **Power BI** for detailed healthcare reports, enhancing data-driven decision-making.

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, JavaScript, React, C

**Web:** HTML, CSS, Bootstrap

**Database:** MySQL

**Libraries & Frameworks:** Node.js, Django, PyTorch

**Tools:** Git, Heroku, Figma, RESTful API Design

**Relevant Courses:** NLP, Algorithms, Machine Learning, Database Management Systems, Operating Systems, Cryptography, Object Oriented Programming, Data Mining, Blockchain, Computer Architecture, iOS App Development.

## EDUCATION

**Syracuse University | Syracuse, New York**  
**MS, Computer Science | GPA: 3.7/4**

May, 2024

**Uttar Pradesh Technical University | Agra, Uttar Pradesh**  
**B. Tech, BioTechnical Engineering**

June, 2020

## ACHIEVEMENTS

Received a student scholarship award from Syracuse University, NY for academic excellence.