

# Shiven Gupta

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## EDUCATION

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### University of California, Berkeley

Berkeley, CA

*Bachelor of Arts, Major in Computer Science, Minor in Data Science*

May 2023

**GPA:** 3.9/4.0

**Coursework:** Introduction to Programming, Foundations of Data Science, Data Structures, Machine Structures, Discrete Math / Probability Theory, Applications of Cloud Computing, Linux System Administration

### Waubonsie Valley High School

Aurora, IL

**GPA:** 4.5/4.0

May 2019

Graduated Summa Cum Laude – Top 2.5%

## WORK EXPERIENCE

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### Samsung Electronics America

Mountain View, CA

*Software Engineer Intern*

June 2020 - August 2020

- Developed and managed ETL workflows and custom frameworks with Apache Airflow
- Built and published a self-service data uploading portal for users through Flask, Python, SQL

### Orbis AI

Berkeley, CA

*Machine Learning Engineer Intern*

November 2019 - January 2020

- Worked on TTS (Text to Speech) and Voice Conversion
- Utilized NumPy, Pandas, and other Python libraries for audio segmentation

### Our Safety USA (NGO)

Naperville, IL

*Frontend Developer*

June 2018 - August 2018

- Utilized HTML, CSS, and JavaScript to develop an effective user interface on the company's website
- Drove the creation of a design and executable plan for future development
- Updated the website weekly and made use of internal web tools to improve the user experience

### Provana LLC

Lisle, IL

*Data Analytics Intern*

July 2017 - August 2017

- Analyzed multiple data sources while filtering and publishing the insights on personalized dashboards
- Established a working prototype on all device types ranging from desktop, to tablets and smartphones
- Associated these with a data warehouse using Microsoft Power BI product

### University of North Georgia

Dahlonega, GA

*Cybersecurity Research Associate*

June 2017 - July 2017

- Participated in hands-on labs using the Certified Ethical Hacker (CEH) iLabs curriculum
- Gained advanced knowledge of penetration testing, drone programming, and car hacking
- Conducted extensive research regarding security vulnerabilities, such as SQLi and DDoS

## ACTIVITIES

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### PlexTech

Berkeley, CA

*Software Developer*

September 2020 - Present

- Fall 2020 Client: Perimeter
- Developing APIs with Django REST framework to connect the data insights collection with the front-end dashboard
- Writing automated tests using Postman and documentation in OpenAPI Specification

### BERKE1337

Berkeley, CA

*Internal Team Member*

January 2020 - Present

- UC Berkeley's student-run cybersecurity organization
- Host CTFs, student-run and corporate tech talks, and learning workshops to promote cybersecurity

### Seed Base Consulting

Berkeley, CA

*Strategy Consultant*

September 2019 - December 2019

- Conducted technical research to produce growth insights for Samsung Developer Universe
- Focused on improving and gamifying the user interface of the platform to enhance usability

## TECHNICAL SKILLS & TOOLS

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- **Computer Languages / Technical Tools:** Python, Java, SQL, C, NumPy, JavaScript, Apache Airflow, Flask, Linux
- **Additional Courses:** Introduction to Cybersecurity, Microsoft CLD263x: IT Support: Cloud Fundamentals, HarvardX PH125.1x: Data Science: R Basics, AWS Developer: Building on AWS, AWS Developer: Deploying on AWS