

# Ritij Jain

<email protected>  
ritijjain.com • linkedin.in/in/ritijjain • github.com/ritijjan

## EDUCATION

**The Pennsylvania State University, University Park, PA**  
B.S. in Computer Science | Minor in Statistics

Expected: May 2023  
Cumulative GPA: 3.42

## EXPERIENCE

**JustLearn Silvi, Tampa, FL**

May 2022 - Aug 2022

Lead Software Engineer (Paid Startup Position)

Full-time

- Led the technical development of the Silvi SaaS platform coordinating a team of 4 developers.
- Developed efficient RESTful APIs in Django/Python to handle and process geospatial data (saved on Postgresql).
- Managed testing and debugging ensuring 99.9% uptime and sub second response time on active deployments.
- Designed and developed interactive map based input workflow enabling accurate placement of assets on the map.

**JustLearn, Tampa, FL**

Jan 2021 - Aug 2021

Lead Software Engineer (Paid Startup Position)

Full-time

- Led the technical development of the JustLearn SaaS platform coordinating 4 developers across 3 time zones.
- Developed components for the Django/Python app and maintained DevOps workflow (Docker, AWS, Terraform).
- Developed custom auth security framework, programmed CRUD systems, and coordinated UX design.

**Penn State Lion Line, University Park, PA**

Oct 2019 - May 2020

Telefundraising Caller

Part-time

- Solicited over \$2,500 in academic gifts and THON donations by engaging with 500+ prospects on the phone.

## PROJECTS

**Python YAML Render HTML Templates System**

Sep 2022

- Programmed a Django-based system that renders printable pages using YAML data and HTML/CSS templates.
- Developed a data merger algorithm that uses inheritance to minimized repetition by 95%.

**HereAI – Python Facial Recognition Attendance System**

Oct 2021

- Programmed a real-time face recognition attendance system that supports multiple user groups.
- Implemented OpenCV for data capture and Ageitgey Face Recognition module to match faces with 90% accuracy.

**File System Driver for a Virtual Disk Drive**

Oct 2021

- Programmed a file system driver in C to implement file I/O on a simulated virtual disk with multiple segments.
- Implemented LRU caching algorithm to reduce read/write costs by 70%.

**PlasmaLink – Django Geospatial Web App**

Apr 2021

- Developed and deployed a Django Geospatial web app that connects patients and plasma donors.
- Implemented MongoDB database, custom ranked geospatial search, and Google reCAPTCHA to deter web scrapers.

**SearchAlgo – Python Search Algorithm**

Jan 2021

- Programmed a lightweight Python-based text search framework for Django.
- Implemented NLTK and Gensim for data processing and class inheritance to modularize the design.

View all projects: [ritijjain.com/projects](https://ritijjain.com/projects)

## INVOLVEMENT

**Nittany AI Challenge – Python Developer for Team DelivAR**

Jan 2022 - Aug 2022

**Nittany AI Challenge – Back-end Developer for Team Food Aid**

Jan 2021 - Aug 2021

**Dining Buddies Student Organization – Treasurer**

Sep 2019 - May 2020

## SKILLS

*Programming Languages*  
*Frameworks and Libraries*  
*Tools*  
*Other*

Python, JavaScript, C, Java, R  
Django, Jekyll, OpenCV  
Docker, Amazon AWS, Heroku, MongoDB, SQL (Postgres), HTML/CSS, Git, GDB, Linux CLI  
Adobe Illustrator, SketchUp, Bilingual (English and Hindi), Microsoft Excel