



# ANUJ SHARMA

Agriculturist • Plant Pathologist • Epidemiologist • Data Scientist

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sharmaan

Gainesville, FL

relocate globally✓

## MOTIVATION

I am currently a PhD candidate in Plant Pathology and have passion for research. I am a fast learner and am enthusiastic to learn new and cutting-edge science. I am known to be punctual and hardworking. I am creative, self-motivated and capable of taking leadership role to design and carry out research experiments. I take pride in my ability to work collaboratively and communicate efficiently with a team. I am credited for having an eye for the detail, ability to work under pressure, and advanced computer expertise.

## SKILLS

DNA cloning	<div><div></div></div>
Genomic analysis	<div><div></div></div>
RNA-seq analysis	<div><div></div></div>
Gene mapping	<div><div></div></div>
Genotyping	<div><div></div></div>
Experiment design	<div><div></div></div>
Predictive modeling	<div><div></div></div>
Microsoft office	<div><div></div></div>
Shell scripting	<div><div></div></div>
R language	<div><div></div></div>
Python language	<div><div></div></div>
Scientific writing	<div><div></div></div>
Web design	<div><div></div></div>

## LANGUAGES

English	<div><div></div></div>
Nepali	<div><div></div></div>
Spanish	<div><div></div></div>

## WORK EXPERIENCE

### GRADUATE RESEARCH ASSISTANT

2017 – 2021

University of Florida, Department of Plant Pathology

Gainesville, FL, USA

- ▶ Developed statistical models for bacterial dispersal in field and nursery to elucidate the role of effectors in dispersal.
- ▶ Performed transcriptomic analysis of citrus to investigate the changes in response to citrus canker.
- ▶ Designed and executed experiments to determine the mutation rate of *Xanthomonas* TAL effectors.
- ▶ Characterized novel bacterial spot resistance and mapped the resistance genes in pepper.
- ▶ Wrote and published scientific research and review papers.
- ▶ Peer reviewed research manuscript for multiple journals.

### TEACHING ASSISTANT

2019 – 2020

University of Florida, Department of Plant Pathology

Gainesville, FL, USA

- ▶ Lab preparation, lab introduction, supervision, and grading.
- ▶ Designed *TA's choice* labs, including lectures and assessments.
- ▶ Guest lectures in bacterial and fungal plant pathogen courses.

### RESEARCH INTERN

2016 – 2017

Nepal Agriculture Research Council

Pokhara, Nepal

- ▶ Performed coordinated varietal trials of several vegetables.
- ▶ Undertook coffee rust biocontrol trial for organic production.
- ▶ Generated and evaluated hybrid tomato for blight tolerance.
- ▶ Mentored Junior Technical Assistants and extension agents.

## EDUCATION

### PHD IN PLANT PATHOLOGY

2021 (EXPECTED)

University of Florida, Department of Plant Pathology

### BS IN AGRICULTURE

2016

Tribhuvan University, Institute of Agriculture and Animal Science

## PUBLICATIONS

Please visit <https://anujs.com.np/>.

## REFERENCES

To be provided upon request.

