

# Suraj Powar

## (Curriculum Vitae)

---

Email address: [sdpowar@clemson.edu](mailto:sdpowar@clemson.edu) Website: [Surajpowar.github.io](https://surajpowar.github.io)  
Currently: Pursuing Ph.D. in Mathematics at Clemson University, SC, USA.

---

### Academics:

- Currently pursuing Ph.D. in Mathematics (Computational Mathematics) at Clemson University, SC, USA (Expected May 2026).
- Graduated with Post Graduate Diploma in Mathematics from University of Dundee, Scotland, United Kingdom (November 2020).
- Graduated with a Bachelor of Science in Mathematics from Jai Hind College (Mumbai University), Mumbai, India (June 2018).

### Research Experience:

- Research Student at IIIT Delhi at Tav Lab working on Deep Learning models for Tuberculosis detection using Generative Adversarial Modelling (Dec 2020- April 2021).
- Completed research project at University of St Andrews, Scotland, United Kingdom under the supervision of Dr. Carolin Kosiol on a project titled, "Polymorphism-aware Phylogenetic Model (POMO) for estimating species trees from Restriction site Associated DNA-Sequencing" (September 2020).
- Summer research student at Tata Institute of Fundamental Research, Mumbai, India, at DCMPMS under the guidance of Mr. Anit Sane. Worked on a project titled, "Arduino programming for stepper motor using C-language" (2017).
- Summer research student at Tata Institute of Fundamental Research, Mumbai, India, at DCMPMS under the supervision of Dr. Shankar Ghosh and Mr. Anit Sane, worked on a project titled, "Efficient Wireless Power Transmission" (2016).

### Computer Skills:

Python | Perl | C | Java | Matlab | Maple | Latex | Scripting: Bash | Linux | Git

### Major Experience:

- Visiting Faculty in the Department of Statistics at K.C. College, HSNC University, Mumbai, India (December 2020 - August 2021).
- Database Associate and Python Developer at Conisance Global pvt ltd, Mumbai, India (May 2019 – August 2019).
- Market Researcher and Operations Associate at Group Futurista, Mumbai, India (December 2018 – May 2019).
- Research Analyst at Nexsales Corporation, Mumbai, India. (May 2018 – October 2018).
- Part time tutor in Mathematics to a student in FYJC (Commerce) from Dhanukar College, Mumbai, India (June 2018 – December 2018).

- Shortlisted candidate for “Mini Mathematics Talent Search Program”, Mumbai, India (April 2016).

#### Curricular Activities:

- Graduate Teaching Institute certificate by Think Squared Clemson, Clemson University, SC, USA (December 2021).
- Subject representative of post grad mathematics at University of Dundee, UK (2019-2020).
- Elected representative of School of Science and Engineering (SSE) representing mathematics department at University of Dundee, UK (2019-2020).
- Participant at UAS Challenge from University of Dundee’s Team, Haggis Aerospace (Software- Python), UK (June 2020).
- Project presenter at the “Science Exhibition Xplore 2015” on “I can read your mind” based on Mathematical Algorithms.
- Standing third in “Intercollegiate Science Exhibition Phyzex” for project “Tesla Coil” based on electromagnetic induction in December 2015.
- Project Presenter at the Physics seminar on “Nano technology and it’s applications” in February 2015 at Royal college of arts and science.
- Project presenter at the “Science Exhibition Xplore 2014” on “Tower of Hanoi” based on Algebraic properties.
- Participant in a half day workshop on “Scientific Thinking skills” conducted by Interdisciplinary program at Indian Institute of Technology, Bombay, 2014.
- Participated in Annual Science Festival 2014 at Babha Atomic Research Centre, Mumbai. Attended robotics workshop.

#### Speaking:

- Speaker at ‘A Colab’ on hands on webinar on topic ‘Analysis and Simulation of the Prey Predator Model’, August 2020. Also demonstrated simulation in real time on Python.

#### Online Certification:

- Biology Meets Programming: Bioinformatics for Beginners – University of California San Diego offered by Coursera.

<https://coursera.org/share/6ec128016953cfb21762d21c05fdeef9>

#### Other Activities:

- [https://medium.com/@Suraj\\_Powar](https://medium.com/@Suraj_Powar) – Medium blog.
- <https://github.com/Surajpowar> - Github Profile.
- Volunteer and Organizer at Intercollegiate Science Exhibition Xplore in 2014, 2015, 2016 held at Jai Hind College, Mumbai for Physics and Mathematics.
- Volunteer and Organizer at Phyzax in Jai Hind College in December 2015.
- Organizer at The Maths Fest, 2017 held at Jai Hind College.
- Attended seminar programs at R.A Podar, Royal College-Mira Road, Sophias College in Mumbai.