

Santhosh N Hegde

PhD Scholar

Center for Functional Genomics and Bioinformatics, TDU

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Education

M. Sc in Bioinformatics

Completed M. Sc thesis on “Genome-wide analysis of transposons and retrotransposons in *Magnaporthe oryzae* isolates

Work Experience:

- Worked in Bengaluru Genomics center from July, 2018 to February, 2019 as Bioinformatics Scientist.
- Worked on a project entitled “Integrated genomics-assisted breeding for efficient development of superior finger millet varieties for Karnataka” as Junior Research Fellow from April, 2019 to June, 2020.

Research areas

Genomics

Bioinformatics

Microbiome

Completed Projects

Microbiome study of mastitis affected milk samples

On-going Projects

Exploration of potential microbes and metabolites associated with commercially important plant galls

Skills

- ❖ Programming languages (Perl, Python, R and Shell scripting)
- ❖ Bioinformatics
- ❖ NGS data analysis
- ❖ Biostatistics and
- ❖ Big data analysis
- ❖ Database using SQL

Area of Interest

- ❖ Artificial intelligence
- ❖ Machine learning
- ❖ Deep learning
- ❖ Mathematical modelling to solve biological problems