



**Kartikay Prasad**  
*Ph.D. Research Scholar*  
*Neuroscience*  
Bioinformatician; Data Analyst

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Research Interest  
Amyotrophic Lateral Sclerosis  
Frontotemporal Dementia  
Brain Cancer

Skills  
NGS data analysis; Molecular  
Dynamics & Simulation;  
Network based analysis;  
Artificial Intelligence

Languages

C/C++	<div><div></div></div>
Perl	<div><div></div></div>
Python	<div><div></div></div>
R	<div><div></div></div>

▪ Statement

Currently a Ph.D. research scholar who loves to analyze and identify meaningful information from biological datasets. My research interest is to understand the mechanism of neurological disorders and provides solution regarding the same.

▪ Experience

● **June-Aug 2019 : NIPGR Institute**  
**Post: Senior Research Fellow**  
**Topic:** “Characterization of 3-Hydroxy-3-methylglutaryl co-enzyme A reductase (HMGR) gene family in Cicer arietinum, and its role in abiotic stress”.

● **2017-2019 : NBPGR Institute**  
**Post: Young Professional**  
**Topic:** “Consortium Research Platform in Genomics”.  
Have analyzed the transcriptome data of multiple crops. Also analyzed the whole genome sequence of Piper Nigrum for the identification of medicinal properties related to piper nigrum.

● **2016-2017 : BCIL**  
**Post: Industrial Intern**  
**Topic:** “To study the effect of different drugs of lung cancer on genes expression in mouse by using the transcriptome data obtained by NGS techniques”.  
Analyzed the transcriptome data of mouse treated with different lung cancers.

● **Jan-June 2016 : M.Sc. Thesis**  
**Post: Intern**  
**Topic:** “Transcriptome Data analysis using Next Generation Sequencing”.  
Analyzed the rice transcriptome to find functional regions that were not identified till that time. Subsequent attempts were made to annotate those regions and check whether they had any biological activities.

▪ **No of Publications:** 4 