

Ameek Bhalla

+91 9811550934 • ameeekbhalla@gmail.com • ameeekbhalla

Education

CSIR-Institute of Genomics and Integrative Biology, India <i>PhD, Genomics</i>	2015–Present
Punjab Technical University, India <i>MSc, Biotechnology</i>	2013
University of Delhi, India <i>PG diploma, Biochemical Technology</i>	2007
University of Delhi, India <i>BSc (honors), Biomedical Sciences</i>	2003–2006

Experience

CSIR-Institute of Genomics and Integrative Biology, India <i>Doctoral Researcher</i> <ul style="list-style-type: none">○ Analysis of high-dimensional data○ Functional genomics	2015–Present
Cureus Inc., USA (Remote) <i>Content Editor</i> <ul style="list-style-type: none">○ Editorial review of medical articles	Present
Cactus Communications Pvt. Ltd., India (Remote) <i>Language Editor</i> <ul style="list-style-type: none">○ Academic editing for life-science journals	2017–2020
CSIR-Institute of Genomics and Integrative Biology, India <i>Graduate Research Assistant</i> <ul style="list-style-type: none">○ Statistical inference for large-scale assays○ Modeling diabetes in <i>Drosophila</i>	2012–2017
Indian Institute of Science, India <i>Graduate Research Assistant</i> <ul style="list-style-type: none">○ Expression of human genes in <i>Drosophila</i>○ Modeling Alzheimer's disease in <i>Drosophila</i>	2007–2012

Data Science Skills

Languages

R, Markdown, Bash

Regression

GLM, GLMM

Decision trees

Random forest, bagging

Resampling

Cross-validation, bootstrapping

Clustering

Hierarchical, k-means

Dimensionality reduction

PCA, MDS

Lab Research Skills

Experimental design

Fractional factorials designs, pseudoreplication, hypothesis tests

Genomics

Microarray, RNAi

Molecular Biology

Cloning, qPCR, western blotting

Drosophila genetics

GAL4-UAS system, genetic crossing