

Curriculum Vitae

Name Raghuvanshi Rajesh

Date of Birth 5th April, 1998

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Educational Qualifications

Schooling (CBSE Board)	2003 - 2015	<i>The Daly College, Indore</i>	
	Aggregate score:	94.60% (Grade XII)	
B. Tech. (Biotechnology)	2015 - 2019	<i>Vellore Institute of Technology, Vellore</i>	
	Cumulative GPA:	7.76/10.0	
ETS GRE	Aggregate score:	315/340	November 2018
IELTS	Overall band score:	8.0/9.0	November 2018

Work Experience

Hands-on experience with human DNA Fingerprinting using the D1S80 locus at SoftVision Research Institute, Indore under Dr. Ravi Kumar	2013
Hands-on experience with SDS PAGE and Western Blotting at SoftVision Research Institute, Indore under Dr. Ravi Kumar	2014

A comparative study of bactericidal action of Ampicillin and λ bacteriophage treatment on <i>E. coli</i> under Dr. Suneetha V. at Vellore Institute of Technology	2016
Internship at Bugworks Research India Pvt. Ltd. (C-CAMP, Bangalore Life Science Cluster) on the project titled “Towards validating two gene targets implied in <i>E. coli</i> biofilm production and maintenance using P1 phage transduction”	2016
Research training at Dr. Tina Mukherjee’s ‘Metabolism and Development’ lab in InStem, Bengaluru on discerning the role of the Notch signalling pathway in global lipid homeostasis in <i>Drosophila melanogaster</i> larvae	2017
Internship at Strand Life Sciences, Bengaluru on the “Screening and validation of β -globin gene (HBB) mutations implicated in β -Thalassemia using Sanger sequencing”	2018
Bachelor’s thesis on “Investigating the regulation of <i>Drosophila</i> larval immune pathways in response to a metabolic stress” at Dr. Tina Mukherjee’s lab in InStem, Bengaluru	2018-19
Project Assistant at Dr. Narendrakumar Ramanan in the Centre for Neuroscience, Indian Institute of Science working on the molecular mechanisms regulating reactive astrogliosis in the murine brain and its implications on Parkinson’s Disease progression	2019-20

Skill Set

- Wet laboratory skills:
 - Fluorescent immunohistochemistry, confocal microscopy and image analysis
 - Quantitative Reverse Transcriptase PCR (qRT-PCR)
 - Laboratory mouse (*Mus musculus*) handling - C57BL/6 strain
 - Molecular cloning of Lentiviral CRISPR-mediated sgRNA gene knockouts
- Public speaking and presentation
- Content development
- Fluency in English, Hindi and Tamil

Volunteering and Leadership

- Student member of the Bombay Natural History Society (BNHS) (2011 - 2012)
- Member of the Bangalore Astronomical Society and Chennai Astronomy Club (since 2016)
- Member of a student-run child education NGO - Anokha (2016 - 2018)
- Manager of Events and Workshops at SEDS VIT (2017 - 2018)