

INTERESTS	Research: quantitative biology, machine learning, computational evolutionary genomics Professional: digital products, data integration technologies, reproducible workflows	
EDUCATION	M.Sc Molecular and Cellular Life Sciences 2020 Universiteit Utrecht, the Netherlands cumulative grade - 7.68/10 B.Tech Chemical Engineering 2014 Indian Institute of Technology Bombay, India cumulative grade - 7.02/10	
PROFESSIONAL EXPERIENCE	Teaching assistant , Chemistry, Universiteit Utrecht May'18 - Jun'18 <ul style="list-style-type: none"> ◦ worked with dr Eric G. Huizinga for supervising 20 students during the practical biomolecular chemistry Co-founder: Kairos Food Labs Mar'15 - Mar'16 <ul style="list-style-type: none"> ◦ performed targeted surveys to identify key consumer needs and key product attributes ◦ conceptualized and launched a ready-to-cook food company to create a consumer brand of snacks Junior research fellow , Chemical Engineering, IIT Bombay May'14 - Jan'15 <ul style="list-style-type: none"> ◦ worked with dr Supreet Saini to develop a stochastic model for investigating the distribution of mutations in evolving digital microbial populations 	
KEY ACADEMIC PROJECTS	Genotype-phenotype mapping , CWI Amsterdam Oct'18 - Feb'20 <ul style="list-style-type: none"> ◦ worked with dr Marleen Balvert and prof dr Alexander Schönthuth for developing a deep neural network architecture that can help investigate potential epistasis effects across a microbial pangenome Phage-host interaction prediction , Theoretical Biology and Bioinformatics Jul'17 - Sep'18 <ul style="list-style-type: none"> ◦ worked with dr John van Dam and dr Bas E. Dutilh for identification & integration of genomic phage-host adaptations and implemented machine learning algorithms on large-scale datasets Research fellowship , TU Kaiserslautern, Germany May'13 - Jul'13 <ul style="list-style-type: none"> ◦ worked with dr Benjamin Selmke and prof dr Wolfgang E. Trommer for understanding the protein folding mechanisms & intermittent states of maltose-binding protein, via electron paramagnetic resonance Student internship , Helmholtz Centre for Environmental Research Leipzig, Germany Jun'12 - Jul'12 <ul style="list-style-type: none"> ◦ worked with dr Lorenz Adrian on a project aimed at bio-remediation of soils contaminated with effluents ◦ tested environmental conditions for anaerobic microbes that mitigates halogenated contaminants 	
ACADEMIC ACHIEVEMENTS	NWO scholarship for traineeship CWI Amsterdam Nov'18 - Nov'19 Scholarship for summer internship TU Kaiserslautern May'13 - Jul'13 Secured All India Rank 843 (top 0.3%) in IIT-JEE amongst 500,000+ students 2010 Graduate Record Examination: Quantitative: 163/170 , Verbal: 156/170 , Total: 319/340 2016 School merit list: national 10th grade examination with 94% aggregate marks 2010	
PROGRAMMING SKILLS	Programming languages: Python, C++ Scripting languages: Bash, R, Scilab, Matlab, L ^A T _E X Workflows: TensorFlow, conda, git, Jupyter, Snakemake	
POSITIONS OF RESPONSIBILITY	Life Science Representatives , GSLS, UU Sep'16 - Feb'17 Film and Media Secretary , Hostel 2, IIT-Bombay May'11 - Apr'12 Sergeant , National Cadet Corps, 4-MP Battalion Apr'06 - Mar'07	
EXTRA-CURRICULARS	Clubs: involved with Pixels - the photography club of IIT Bombay ('11-'14) Interests: meditation, podcasts, scientific communication, nutrition and ketogenesis Sports: power-lifting, squash, badminton, biking, trekking Hobbies: photography, experimental cooking, travelling, electronic music	