

INTERESTS	<b>Research:</b> quantitative biology, machine learning, computational evolutionary genomics <b>Professional:</b> data-driven intelligence, data-integration, reproducible workflows	
EDUCATION	<b>M.Sc Molecular and Cellular Life Sciences</b> <span style="float: right;"><b>2020</b></span> Universiteit Utrecht, the Netherlands <span style="float: right;">cumulative grade - <b>7.66/10</b></span> <b>B.Tech Chemical Engineering</b> <span style="float: right;"><b>2014</b></span> Indian Institute of Technology Bombay, India <span style="float: right;">cumulative grade - <b>7.02/10</b></span>	
PROFESSIONAL EXPERIENCE	<b>Teaching assistant</b> , Chemistry, Universiteit Utrecht <span style="float: right;">May'18 - Jun'18</span> ◦ worked with dr Eric G. Huizinga for supervising 20 students during the practical biomolecular chemistry <b>Co-founder: Kairos Food Labs</b> <span style="float: right;">Mar'15 - Mar'16</span> ◦ 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 <b>Junior research fellow</b> , Chemical Engineering, IIT Bombay <span style="float: right;">May'14 - Jan'15</span> ◦ worked with dr Supreet Saini to develop a stochastic in-silico model for investigating the distribution of mutations in evolving microbial populations; neutral mutations dominate the rate of genome evolution	
KEY ACADEMIC PROJECTS	<b>Genotype-phenotype mapping</b> , CWI Amsterdam <span style="float: right;">Oct'18 - Feb'20</span> ◦ worked with dr Marleen Balvert and prof dr Alexander Schönhuth for developing a deep neural network architecture that can help investigate potential epistasis effects across a microbial pangenome <b>Phage-host interaction prediction</b> , Theoretical Biology and Bioinformatics <span style="float: right;">Jul'17 - Sep'18</span> ◦ 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 <b>Research fellowship</b> , TU Kaiserslautern, Germany <span style="float: right;">May'13 - Jul'13</span> ◦ worked with dr Benjamin Selinke and prof dr Wolfgang E. Trommer for understanding the protein folding mechanisms & intermittent states of maltose-binding protein, via electron paramagnetic resonance <b>Student internship</b> , Helmholtz Centre for Environmental Research Leipzig, Germany <span style="float: right;">Jun'12 - Jul'12</span> ◦ 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	<b>NWO scholarship for traineeship</b> CWI Amsterdam <span style="float: right;">Nov'18 - Nov'19</span> <b>Scholarship for summer internship</b> TU Kaiserslautern <span style="float: right;">May'13 - Jul'13</span> Secured <b>All India Rank 843 (top 0.3%)</b> in IIT-JEE amongst 500,000+ students <span style="float: right;">2010</span> <b>Graduate Record Examination:</b> Quantitative: <b>163/170</b> , Verbal: <b>156/170</b> , Total: <b>319/340</b> <span style="float: right;">2016</span> <b>School merit list:</b> national 10th grade examination with <b>94%</b> aggregate marks <span style="float: right;">2010</span>	
PROGRAMMING SKILLS	Programming languages: Python, C++ Scripting languages: Bash, R, Scilab, Matlab, L <sup>A</sup> T <sub>E</sub> X Workflows: TensorFlow, conda, git, Jupyter, Snakemake	
POSITIONS OF RESPONSIBILITY	<b>Life Science Representatives</b> , GSLs, UU <span style="float: right;">Sep'16 - Feb'17</span> <b>Film and Media Secretary</b> , Hostel 2, IIT-Bombay <span style="float: right;">May'11 - Apr'12</span> <b>Sergeant, National Cadet Corps</b> , 4-MP Battalion <span style="float: right;">Apr'06 - Mar'07</span>	
EXTRACURRICULAR	<b>Clubs:</b> involved with Pixels - the photography club of IIT Bombay ('11-'14) <b>Interests:</b> meditation, podcasts, scientific communication, nutrition and ketogenesis <b>Sports:</b> power-lifting, squash, badminton, biking, trekking <b>Hobbies:</b> photography, experimental cooking, travelling, electronic music <b>Links:</b> <a href="#">in divyaePrasad</a> <a href="#">@divyaePrasad</a> <a href="#">divPrasad</a>	