## **Rishabh Pandey**

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EDUCATION		Dog 2024
Northeastern University, Boston, MA		Dec. 2024 GPA: 3.34
Master of Science in Bioinformatics Concentration: Data Science/Data Analytics		GPA. 5.54
concentration: Data Science/Data A	indivues	
Ramaiah University of Applied Sciences, Bangalore, India		Aug. 2021
Bachelor Of Science Biotechnology (Hons)		GPA: 8.90
Honors: Top 10 Rankers in the Department		
EXPERIENCE		
	CNN using QSAR modelling, Bangalore, India	May 2021 – Jul. 2021
Full Stack Developer: Python		
-	linesterase is a lucrative therapeutic strategy for the treatment of	
Alzheimer's disease and using AI we can predict enzyme that catalyzes the breakdown of the		
neurotransmitter acetylcho	line that is essential for cognition and memory.	
<ul> <li>Using ChEMBL database de</li> </ul>	veloped web app that predicts bioactivity (pIC50) of the target	
	AR modelling of protein Acetylcholinesterase	
	was used to calculate Lipinski descriptors, used in the interpretation	
of drug likeness of the compounds based on their pharmacokinetic profile that is absorption,		
distribution, metabolism, a	nd excretion.	
• <u>GitHub link for the project</u>		
CF-CAP (Computational Flu or COVI	D-19 Anticipator and Prescriber), Raipur/Bangalore, India	Oct. 2020 – April 2021
Data Scientist, Front End Developer: Python, JavaScript		Oct. 2020 April 2021
	f aid for the initial symptoms of COVID-19; Using X-ray of lungs to	
find traces of coronavirus in the lungs using CNN model by designing a web-app with a VG16		
model to predict presence of COVID.		
<ul> <li>CF-CAP had an on-paper accuracy of 90\% that was trained with over 16,000 image samples with epoch cycles of 50 using VGG16 architecture.</li> </ul>		
<ul> <li>Serving its purpose, this project was highlighted in a top tier national newspaper, "Patrika."</li> </ul>		
<ul> <li>GitHub link for the project</li> </ul>		
Link for the article		
FULL STACK WEB DEVELOPER – IISc, Bangalore, India		May 2021 – Jun. 2021
ntern:- Ruby on Rails	developer in Department of Computational and Data Science,	
	Under Dr. Chirag Jain in ATGC lab using Ruby on Rails framework.	
·	se from scratch for the website and hosted it with all the features	
that was required		
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FECHNICAL SKILLS		
Data Science and Machine Learning	: Data Visualization in Seaborn, Matplotlib, MySQL, PostgreSQL,	
	Microsoft SQL Server, Sklearn, TensorFlow & Keras, Jupyter,	
	Numpy, Pandas	
Computer Science:	Full Stack Web Development using MERN Stack with React,	
	Flask and Django, Linux, REST API.	
Languages:	Python, JavaScript, SQL, C, Bash, R, MATLAB, (S)CSS, HTML5	
Bioinformatics Tools:	Trimmomatic, GSNAP, BLAST, SAM tools, Trinity, BLAST+	
Interpersonal Skill:	Leadership with Critical thinking, public speaking and presentation,	
πειρεισυπαι σκιπ.	problem solving skills, project management	
Wet Lab Skills:	Biosafety cabinet (Level 2), Gel electrophoresis, PCR, MTT assay,	

Immunological Assays, Plant callus culture, Animal tissue culture.