Rishabh Pandey

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EDUCATION Northeastern University Reston N	AA	Dec. 2024
Northeastern University, Boston, MA Master of Science in Bioinformatics		GPA: 3.34
Concentration: Data Science/Data		S. 7 G.G .
Damaiah University of Applied Sci	nuces Pangalore India	Aug. 2021
Ramaiah University of Applied Sciences, Bangalore, India Bachelor Of Science Biotechnology (Hons)		GPA: 8.90
Honors: Top 10 Rankers in the Department		GI A. 0.50
nonors: Top 10 Kankers in the Dep	artment	
EXPERIENCE		
	h CNN using QSAR modelling, Bangalore, India	May 2021 – Jul. 2021
full Stack Developer: Python		
 The inhibition of Acetylcholinesterase 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 		
	oline that is essential for cognition and memory.	
 Using ChEMBL database d 	eveloped web app that predicts bioactivity (pIC50) of the target	
molecule by CNN using QS	SAR modelling of protein Acetylcholinesterase	
 Canonical smiles notations 	s 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,	and excretion.	
GitHub link for the project		
F-CAP (Computational Flu or COV	'ID-19 Anticipator and Prescriber), Raipur/Bangalore, India	Oct. 2020 – April 2021
Project Coordinator, Business Analysis		· ·
-	of 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.		
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.		
 Serving its purpose, this project was highlighted in a top tier national newspaper, "Patrika." 		
GitHub link for the project		
 Link for the article 		
FULL STACK WEB DEVELOPER – IISc, Bangalore, India		May 2021 – Jun. 2021
Intern:- Ruby on Rails		Way 2021 3411. 2021
	b developer in Department of Computational and Data Science,	
	, Under Dr. Chirag Jain in ATGC lab using Ruby on Rails framework.	
 Created a relational database from scratch for the website and hosted it with all the features that was required 		
TECHNICAL SKILLS		
	g: 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.	
anguages:	Python, JavaScript, SQL, C, Bash, R, MATLAB, (S)CSS, HTML5	
Bioinformatics Tools:	Trimmomatic, GSNAP, BLAST, SAM tools, Trinity, BLAST+	
nterpersonal Skill:	Leadership with Critical thinking, public speaking and presentation, problem solving skills, project management	
Vet Lab Skills:	Biosafety cabinet (Level 2), Gel electrophoresis, PCR, MTT assay,	

Immunological Assays, Plant callus culture, Animal tissue culture.