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ADITYA RAJNEESH SINGH

OBJECTIVE

A final year undergraduate student pursuing Bachelors of Engineering Degree in Computer Science at Sir M. Visvesvaraya Institute of Technology, Bangalore. A tech-savvy software developer having interest and knowledge in the field of Machine Learning, Data Science, Software Development and Web development. A self-taught and hardworking individual looking forward to internship opportunities to sharpen my skills.

EDUCATION

B.E in Computer Science | Sir M. Visvesvaraya Institute of Technology
Year of Passing: 2021
CURRENT CGPA: 8.76 (6th semester)

Higher Secondary (Class XII) | Kendriya Vidyalaya No.2 | CBSE
Year of passing: 2017
PERCENTAGE: 90%

High School (Class X) | Kendriya Vidyalaya No.2 | CBSE
Year of passing: 2015
CGPA: 10

EXPERIENCE

-> Software Engineering Intern, The Sparks Foundation.
JUN 2019 – AUG 2019
Compiled a comparative report of the top 3 cloud service providers. Created a tutorial on how to create a droplet on DigitialOcean and access it via SSH. In the second phase of the internship, used Selenium with Python to automate simple day to day tasks.

-> Virtual Assistant, Achiwer.
AUG 2019 – NOV 2019
Assisted in the teaching of programming languages (C and C++) to underprivileged students from rural backgrounds by clearing their doubts and resolving their queries over telephonic conversations.

PROJECTS

-> The CryptoMailer
JUL 2020
Technologies used: Python.

Developed a Python package for sending and receiving encrypted emails via Gmail, using Keyword Cipher algorithm. Published research paper in July 2020 edition of The International Journal of Innovative Research in Science, Engineering and Technology.

https://github.com/AdityaSingh17/CryptoMailer

-> Binary Image Classifier

MAR 2020

Technologies used: Python, TensorFlow, Keras.

Designed a convolutional neural network using Keras and TensorFlow to classify a given image as a Cat or Dog. Achieved model accuracy of 83.79%. Developed a user-friendly website and an API to enable the users to run the prediction algorithm on their choice of image.

http://dogorcat.pythonanywhere.com/

-> Selenium Automation

JUL 2019 – AUG 2019

Technologies used: Python, Selenium.

Used selenium web driver and Python to automate the following tasks: sending emails, finding broken links of a website and downloading images from google by taking the keyword as input.

https://github.com/AdityaSingh17/SeleniumPythonAutomation

-> QR [En|De]coder

APR 2019 – JUN 2019

Technologies used: Python, Flask, HTML, CSS, JavaScript, UIkit

Designed and developed a website that generates QR codes based on the user's requirement and customizes them to a limited extent. The website offers the ability to share or download the image. Additional functionalities include QR decoder page (used to decode any QR code) and Feedback page intended to take suggestions and improve the website.

http://runtt.pythonanywhere.com/

SKILLS

- **Industry knowledge:** Mathematics, Data Structures, Algorithms, Machine Learning, Artificial Intelligence, Deep Learning.
- **Programming Languages:** C, C++, Java, Python.
- **Databases:** MySQL, SQLite.
- **Front end Technologies:** HTML, CSS, JavaScript.
- **Interpersonal Skills:** Leadership, Problem Solving, Team Player.

TRAININGS AND CERTIFICATIONS

- **Python for Everybody Specialization**, Coursera (University of Michigan).
- **Data Science Summer Trainee**, Internshala.
- **Machine Learning**, Coursera (Stanford University).
- **IBM Data Science Professional Certificate,** Coursera (IBM).