ADITYA RAJNEESH SINGH

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OBJECTIVE

Self-driven and hardworking final year computer science student at Sir M. Visvesvaraya Institute of Technology pursuing Bachelors of Engineering. I believe my ability to grasp things quickly, perform well in a team and knowledge of Databases Management Systems and Object-Oriented Programming make me a perfect fit for your company.

EDUCATION

B.E in Computer Science | Sir M. Visvesvaraya Institute of Technology
Year of Passing: 2021
CURRENT CGPA: 8.76 (Till 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 tasks.

PROJECTS

-> The CryptoMailer
Technologies used: Python.

Developed a Python package for sending and receiving encrypted emails via Gmail, using Keyword Cipher algorithm.

-> Singly Linked List Visualizer
Technologies used: C++, OpenGL.

An interactive OpenGL implementation to visualize the various operations on a Singly Linked List.

-> Binary Image Classifier
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.

-> Selenium Automation
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.

-> QR [En|De]coder
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.

SKILLS

- **Industry knowledge:** Mathematics, Data Structures, Algorithms.
- **Programming Languages:** C, C++, Java, Python.
- **Databases:** MySQL, SQLite.
- **Web Technologies:** HTML, CSS, JavaScript.
- **Interpersonal Skills:** Communication, Leadership, Problem Solving, Team Player.

ACHIEVEMENTS

- Awarded a scholarship of ₹ 500 for scoring 9 CGPA in the first year of BE Course.
- National Cadet Corps (Army wing) 'B' certificate holder.
- Participated in the All India Trekking Expedition organized by NCC.
- Awarded a scholarship of ₹ 5000 for scoring 10 CGPA in the AISSE (Class X) examination.
- Stood first in an interschool debate competition organized by Department of Atomic Energy, Bangalore.
- Represented school at the regional level in Cricket and Quiz.