AKASH SARKAR

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OBJECTIVE

Python Developer skilled in various Python libraries, object-oriented programming, and data modeling and cleaning. Passionate about machine learning, adept at solving complex problems, and dedicated to delivering innovative solutions.

EDUCATION

Bachelor of Technology, Siliguri Institute of Technology   2016 - 2020
Electrical Engineering

SKILLS

Programming Language	Python, Basic HTML and CSS
Fundamentals	OOP, Parallel Programming, Data Structures, Data Modelling and Cleaning
Libraries	Various libraries like Pandas, Numpy, requests, re etc.
Frameworks	Django, Rest, PyTest, Robot Framework, API
Database	MySQL
Version Control	Git, GitHub, Git Bash
Others	Basic Networking, PLC, SCADA, MMI, Product Development

EXPERIENCE

Python Developer   Feb 2024
Shutter Technologies Pvt Ltd   *Kolkata, West Bengal*

Developing a product which could simplify web development for both individual developers and companies. Proficient in Python for product development, with understanding the requirements, giving proper solutions, and implementing efficient algorithms. Delivering high-quality products that consistently meet our objectives with innovation.

Python Developer   Dec 2023 - Jan 2024
Codepoetry   *Siliguri, West Bengal*

Developed and deployed machine learning models on Raga AI platform, including data preparation csv parsing and schema definition. JSON integrated test case execution, and automated drift detection. Proficient in model development, testing, and monitoring on Raga AI platform.

Resident Engineer   Dec 2020 - Dec 2021
Yokogawa India Limited   *Arunachal Pradesh*

Managed operations at IOCL Depot as an Automation Engineer, focusing on PLC, SCADA, and field instruments. Implemented preventive maintenance strategies, promptly resolving automation system issues to improve facility efficiency and reliability. Led a large team to maintain and to improve facility.

Research Analyst   March 2020 - June 2020
Globsyn AI workspace   *Kolkata, West Bengal*

Worked with diverse teams to gather crucial data for AI projects sing Amazon Mechanical Turk for dataset collection and validation. Maintained strict adherence to ethical standards and industry practices to safeguard data privacy and security.

PROJECTS

Automated API-End Points accessibility checker My project can verify the accessibility of APIs or end-points behind the base URL/IP address user provides and watch system meticulously examines each embedded APIs or end points concurrently. Also gives a report to ensuring a smooth digital journey for you and your developer team (GitHub link)

Pandas Data Cleaning Project Build a project focusing on filtering, clean and process any file. Goal is efficient data manipulation, achieved through Pandas powerful functionalities.(GitHub link)

Encrypting plain text messages Build this project, cipher is a method of encrypting alphabetic text by using a simple form of poly alphabetic substitution. (GitHub link)

Car-Counting Prototype This project is based on counting car numbers from a live CCTV. Used Open-CV, YOLO Configuration.(GitHub link)

TRAINING AND CERTIFICATE

- Python Programming Specialization from University of Michigan, Coursera
- Python for Everybody and Data Structure from University of Michigan, Coursera
- Python Certificate by HackerRank from HackerRank, where I solved various Python problems
- Problem Solving Certificate by HackerRank from HackerRank, where I used Python language to solve various problems
- Python Programming from University of Michigan, Coursera
- IBM Data Structure from Coursera

EXTRA-CURRICULAR ACTIVITIES

Executive Member, Electrical Engineering Society, Siliguri Institute of Technology

- Collaborated on innovative projects, social work, and cultural programs.

Student Representative, National Service Scheme

- Organized cloth distribution and blood donation camps in the local community.

Achievements:

- First position in the photography competition at Siliguri Institute of Technology (2019).
- Third position in the Badminton tournament at Siliguri Institute of Technology (2018).

HOBBIES AND INTERESTS

- Photography, Mythology and Fictional Books, Art, Badminton, Volleyball.

LANGUAGES KNOWN

- English, Hindi, Bengali.