SATWIK PANDEY

WEB DEVELOPER

CONTACT

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EDUCATION

SENIOR SECONDARY
CBSE Board
83.4%
2017-2018

HIGHER SECONDARY
CBSE Board
77.8%
2019-2020

B.TECH COMPUTER SCIENCE
Guru Gobind Singh Indraprastha University.
2020-2024

PUBLICATIONS

Galactic Simulation: Visual Perception of Anisotropic Dark Matter - Link
Anand Rajput, Tushar Rajora, Divyansh Singh, Satwik Pandey
AMRIT conference, Assam University Silchar

ASL Classification using Deep learning - Link
Ronit Bakshi, Satwik Pandey, Tanmay Parnami, Utkarsh Jain

Feature Selection Techniques for Enhancing Credit Card Fraud Detection Performance - Link
Pravalika Sure, Satwik Pandey, Tanmay Parnami, Gaurang, Aryan Saxena

HOBBIES AND INTERESTS

- TRAVELLING
- READING
- NUMISMATICS

PROFILE

Highly motivated Python developer with a strong foundation in web development (Django, HTML/CSS) and machine learning (Scikit-learn, Keras). Proven ability to design, develop, and optimize backend systems. Experienced in utilizing Git/Github for collaborative development.

INTERNSHIP

Factiify Technologies Pvt. Ltd. (Python Developer Intern)(Aug, 2023 - April 2024)
Tech Stack: Django, Python, SQL.

- Developed the front-end of a web app.
- Designed and implemented the backend for a lead management system, integrating Karza APIs for Aadhaar OKYC and PAN validation.
- Actively contributed to enhancing backend performance through ongoing development, maintenance, and optimization of database interactions.
- Played a key role in client management responsibilities.

PROJECTS

Portfolio Website- Link
Tech Stack : React, HTML, CSS, Javascript, GSAP, Vivus.js

- leveraged the power of React for a dynamic and user-friendly experience.
- Smooth animations powered by GSAP and Vivus.js.

ASL Classification using Deep Learning- Github
Tech Stack : Python, Machine Learning, OpenCV, Keras, Neural Networks

- Enabled real-time American Sign Language (ASL) classification through the project.
- Utilized computer vision techniques with OpenCV for camera interaction.
- Leveraged the capabilities of Mediapipe for effective ASL recognition.

MNIST Recognition- Github
Tech Stack : Python, Machine Learning, Scikit Learn, Jupyter

- Utilized machine learning techniques to recognize and classify handwritten digits.
- Trained the model on the MNIST dataset, a widely used benchmark in image classification.
- Evaluated the model's accuracy and performance through testing and validation procedures.

SKILLS

- **Languages**: Python, SQL, HTML, CSS, JavaScript(familiar)
- **Libraries/Frameworks**: Numpy, Pandas, Scikit learn, Django, DRF, Keras, OpenCV, Bootstrap
- **Databases**: MySQL, Sqlite3
- **Tools**: Git/Github, Postman, Google Colab
- **Cloud Tech**: Google Cloud Platform

CERTIFICATIONS

- **Introduction To Machine Learning**
  IIT Kharagpur, Online, July, 2022