

Siddhanth Dubey

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EDUCATION

SRM Institute of Science and Technology

Bachelor of Technology

Major in Computer Science and Engineering

Cumulative GPA: 9.2/10.0

Relevant Coursework: Operating Systems; Algorithms and Data Structures; Neuro Fuzzy and Genetic Programming

Chennai, Tamil Nadu

Expected July 2025

Kendriya Vidyalaya No.1 AFS Pune

Percentage in 12th: 89.6; Percentage in 10th: 92.8

Pune, Maharashtra

Jul 2018 - Jul 2021

TECHNICAL SKILLS

Advanced in Python, SQL, JavaScript, HTML/CSS, React, Flask; Proficient in MATLAB, Proficient in C/C++; Cyber Security; MERN stack development.

WORK EXPERIENCE

IIT Madaras Mechanica

Machine Learning Internship cum Training

Pune, Maharashtra

March 2023

- Developed and fine-tuned a deep learning model for automated brain tumor detection using TensorfFlow. Achieved 78% accuracy on the dataset provided by the trainer.
- Highlighted strong skills in model architecture design and optimization.

AICTE Virtual Internship (Government Internship)

Data Analyst Intern

Chennai, Tamil Nadu

May 2023 – July 2023

- Conducted comprehensive exploratory data analysis (EDA) on marketing and product dataset
- Revealing actionable through data visualization and dashboards created with Tableau.

INDEPENDENT PROJECTS

Number Recognizer

- Developed a custom neural network framework from scratch in python, bypassing external libraries like TensorFlow.
- Achieved an accuracy of 84% on MNIST Digit dataset, showcasing a solid grasp of neural network architecture, optimizing and coding

Chrome Dino Game AI

- Developed an AI-powered system that autonomously learns to play the Chrome Dino game through reinforcement learning techniques.
- Used Python and it's libraries like Keras, TensorFlow, used OpenCV to track the game on chrome by taking screenshot and downsizing the image for faster processing.

Emotion Detector

- Developed and implemented an AI-based facial emotion detection system utilizing TensorFlow, CNN, Pandas, OpenCV and numpy libraries.
- Achieved an accuracy of 99.18305% accuracy.

Cross-It-Off

- Developed an interactive to-do list web application using HTML, CSS and JavaScript, allowing users to efficiently do tasks
- Employed responsive design principles and local storage to ensure a seamless experience across devices.

Expense Tracker

- Developed an interactive ExpenseTracker web application using React, allowing users to efficiently manage and spend their money
- Applied React components and states to make an interactive and responsive website

For a comprehensive portfolio of additional projects, please refer to my GitHub repositories.

CERTIFICATIONS

- AI and Machine Learning and it's application in Python [IIT Madaras and EduXLabs]
- AWS academy Cloud Computing, Data Analytics and Machine Learning [AWS]
- Data Analytics Virtual Internship [AICTE]
- MERN Stack Development [SRM Institute of Science and Technology]
- Python [Hacker Rank and Kaggle]