Vaibhav Biyawala
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SKILLS

PROGRAMMING LANGUAGES:
• Python • SQL • C++ • C • HTML • CSS
• JavaScript • JAVA • PHP

FRAMEWORK/LIBRARIES:
• Flask • Pandas • TensorFlow • Keras
• Scipy • Scikit Learn • Selenium
• Beautiful Soup • Request

SOFTWARE:
• VS Code • Jupyter Lab • Google Colab
• MySQL • Tableau • Power BI • MongoDB
• Github • IBM Cloud • Andriod Studio

SOFT SKILLS:
• Critical Thinking • Communication
• Group Discussion • Presentation
• Leadership • Team Work

PUBLICATIONS

• **SmileSculpt: Sculpting Smiles Digitally** (RTIP2R-2024)
  Authors - Abdul Kadir, Vaibhav Biyawala, Vansh Dalal, Neeraja Joshi

RELEVANT COURSES

COMPUTER SCIENCE:
• Database Management System
• Operating Systems
• Data Structures & Algorithms
• Object Oriented Programming
• Theory of Computation

DATA SCIENCE:
• Python & SQL • NLP
• Artificial Intelligence • Data Mining
• Machine Learning • Deep Learning
• Machine Vision • Linear Algebra
• Probability and Statistical Analysis

CERTIFICATES

• Associate Data Scientist - DataCamp ⧉
• Getting Started of AI - IBM ⧉
• Fundamentals of AI - IBM ⧉
• Web Development - Coursera ⧉
• SSIP - Azadi ka Amrut Mohatsav Hackathon ⧉

ACHIEVEMENTS

• Solved over **350+** Coding problems on various online Coding platforms
• Gained **150k+** XPs on **Datacamp**

EDUCATION

B. Tech - Computer Engineering	**2021-2025**
Sarvajanik College of Engineering & Technology	CGPA: 9.22
Honors - Data Science	**2022-2024**
Sarvajanik College of Engineering & Technology	CGPA: 10
12th-Science (PCM)	**2020-2021**
Shri H. J. Gajera English Medium School	Percentage: 84.92%

EXPERIENCE

Tenacious Techies   April 2024 – June 2024
AI/ML INTERN
  • Developed automated scripts for data extraction and processing
  • Integrated AI modules for text generation, content creation
  • Enhanced and optimized the existing bot system for better performance

IBM   June 2024 – July 2024
AI/ML INTERN
  • Developed and deployed AI model using IBM Cloud
  • Built bots and automated solutions leveraging IBM Watson

PROJECTS

Brain Tumor Segmentation   Jan 2024 – June 2024
  • **Developed** a U-Net based Convolutional Neural Network model to accurately segment brain tumors in MRI scans.
  • **Achieved** 99.75% training & 99.33% validation accuracy

Autism Detection | Jan 2024 – Jun 2024
  • **Attained 100%** accuracy in early detection of Autism using XGBoost Classifier.
  • **Conducted** comparisons with Logistic Regression and Support Vector Machine.

SmileSculpt   June 2023 – Dec 2023
  • **D**eveloped a Generative AI model using Stable DiffusionXL and Laura, specifically for image-to-image reconstruction.
  • **T**he model focuses on enhancing smiles by restructuring teeth to improve overall smile aesthetics.

RESPONSIBILITIES

Google Developer Student Club   Sep 2023 - Oct 2023
FACILITATOR
  • **Facilitated** Google Cloud Study Jams 2023 event, assisting students in completion

YHills Edutech Private Limited   April 2022 - May 2022
CAMPUS AMBASSADOR
  • **Provided** guidance and support as an Ambassador, facilitating student enrollment in Yhills courses and programs.