SHIVAM GUTGUTIA

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EDUCATION

September 2021 - Current	**B.Tech in Computer Science and Engineering**	**Vellore Institute of Technology**

CGPA: 9.62

Course Work: Data Structures and Algorithms, Database Systems, Operating Systems, Computer Network, Computer Architecture and Organization, Foundations of Data Science, Software Engineering

TECHNICAL SKILLS

Languages: **C/C++, Python**, Java, SQL, JavaScript

Data Analytics: **Pandas, Alteryx, Tableau**, Matplotlib

WebDev: **Flask, NodeJS, SQL**, MongoDB

DevOps: **Git, GitHub**, Docker, Google Cloud Platform

EXPERIENCE

August 2023 - December 2023	**Data Analytics Intern**	**CES IT Pvt Ltd**

- Researched various technologies and techniques in Machine Learning and Deep Learning to identify applications within the company
- Identified ways to enhance performance of existing machine learning algorithms by fine-tuning hyperparameters
- Worked alongside senior engineers and data scientists to understand project requirements and integrate feedback into prototype development
- **Technologies used: Numpy, Pandas, Matplotlib, Scikit-Learn, Keras, Tensorflow**

January 2025 - Current	**Data Analytics Intern**	**JPMorgan Chase Co.**

- Worked as a member of the data team supporting the Card Marketing division at JPMorgan Chase Co.
- Prepared and integrated data from multiple sources using Alteryx for dashboard inputs.
- Built Tableau dashboards to track key metrics during the offer building process and assisted the leadership team in decision-making.
- **Technologies used: Alteryx, Tableau Desktop, Tableau Server/Cloud, Snowflake**

PROJECTS

Web Development	**Contactify**	**contactify-frontend.vercel.app**

- Generates a single contact file for multiple phone numbers
- Easy saving and sharing of a large number of contacts at once even between different operating systems
- Supports various file formats (CSV, XLSX, XLS, ODS) as input
- Provides options for filtering, mapping and data validation before contact file generation
- **Tech Stack: Python, Flask, vObject library, Pandas, Docker, GitHub Actions, Google Cloud Run**

Machine Learning	**Automatic Attendance System**	**github.com/shivamgutgutia/automaticattendance**

- Automated attendance marking via real-time video feed analysis using Harr Cascade and HOG Algorithm
- Handles multiple faces in a frame. Also checks for a threshold time for marking a student present
- Sends an email notification to every student post-class informing them of their attendance status
- Fast face training time, less than 1 minute per face. Stores the trained data in an efficient style
- **Tech Stack: Python, OpenCV library, Scikit-Learn, SMTP, CSV**

ACHIEVEMENTS

Yantra 2024 Central Hackathon	**BEST Track Winner (Quality Education) and BEST UI/UX**	**github.com/shivamgutgutia/bhasha-xr**

- Developed a VR project to help users learn new languages for basic communication such as greetings, common items, and phrases for travel purposes
- Project featured an interactive VR environment with characters and items for immersive learning
- Enabled users to practice languages and receive ratings based on correctness and fluency.
- Implemented the rating system using Speech-to-text, Machine Learning, and Translation technologies
- Assisted in ideation and provided guidance for the VR environment and design
- Verify certificate

AFFILIATIONS AND LEADERSHIP EXPERIENCE

February 2022 - December 2024	**Chairperson**	**CodeChef VIT**

- Led a core team of over 100 members, managing multiple club projects
- Conducted numerous events, attracting a total footfall of over 2000 attendees annually
- Secured sponsorships exceeding 5 Lakhs annually for events
- Provided an environment that helped members enhance their personal skills and grow professionally

CERTIFICATIONS

- Programming Foundations with JavaScript, HTML and CSS by Duke University (2021) - Verify certificate