ANIRUDDHA KULKARNI

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Education

Vellore Institute of Technology   **August 2021 – June 2025**
B.TECH. in Computer Science with Spl. in Cyber Physical System;(GPA: 8.02/10)   *Chennai, Tamilnadu*

S.N.B.P College, Morewadi   **May 2019 – May 2021**
Computer Science; Indian Certificate of Higher Secondary Education; (Percentage: 88.83)   *Pune, Maharashtra*

Kamalnayan Bajaj High School,   **June 2009 – June 2019**
Indian Certificate of Secondary Education; (Percentage: 83.2)   *Pune, Maharashtra*

Technical Skills

Languages: Java, DSA, JavaScript, C/C++, SQL, HTML/CSS
Technologies and Frameworks: ReactJS, NodeJS, ExpressJS, Bootstrap
Database: SQL- MYSQL, NOSQL- MongoDB
Developer Tools:Git, Github, Postman, VS Code, Versal, Render, Google AI Studio
Area of Interest: Data Structures and Algorithms, Web Development, ML Data Processing, Cloud Computing, Cloud Technology Development

Experience

Emerson   **Sept. 2023 – November 2023**
IT Department Intern   *Chakan, Maharashtra*
- Explored ERP LN implementation at Emerson, covering supply chain to financial tracking.
- Gained hands-on experience with ERP LN and departmental interactions.
- Created daily reports and engaged with various departments on system accessibility.

HCL Tech.   **August 2023 – Present**
Consultancy Project Intern   *(Online Mode)*
- Worked on company-assigned problem statement of building a compiler software with regular meetings and discussions.
- Built software using Verilog, Python, HTML, CSS, JavaScript, and React.js, including visualizing inputs.
- Worked on how can we convert any verilog code into Finite State Machine dynamically.
- Coordinated with team members using Git for version control, task management, and tracking changes.

Projects

Expense Tracker | *React.js, Node.js, Express.js, MongoDB Atlas*   **Github**
- **About:** Full-stack application to track expenses and income, providing real-time updates.
- **Tech Stack:** Built using **ReactJS, NodeJS, ExpressJS, MongoDB Atlas** , with a responsive, interactive UI.
- **Features:** Users can add, edit, and delete transactions, view balance summaries, and filter data by date or category.

Real-Time PDF Co-Viewer | *React.js, Node.js, Socket.io, PDF.js, Versal, Render*   **Github**
- **About:** Real-time PDF collaboration tool that synchronizes page navigation for remote presentations and classrooms.
- **Tech Stack:** Developed using **ReactJS, NodeJS, Socket.io, and PDF.js** ,with a responsive and interactive user interface.
- **Features:** Role-based access for admins and viewers, **real-time page synchronization**, and seamless **multi-user experience.**

Resume Categorizer Application | *Python, Machine Learning, Streamlit*   **Github** | **Live**
- **About:** A tool that categorizes resumes based on relevant job roles, streamlining the recruitment process.
- **Tech Stack:** Built using **Python, Machine Learning**, with a **Streamlit** interface for easy interaction.
- **Features:** Automatically classifies resumes, provides visual insights, supports **bulk uploads** for efficient processing.

Facial Expression Recognition, (FER 2013) Research Paper | *Python, numpy, pandas, Kaggle*   **Github**
- **Accuracy:** 88.29%
- **Approach:** Used the **FER-2013 dataset** from Kaggle. Tested **SVM, Random Forest, and KNN**, ultimately choosing **CNNs** for their superior performance in feature capture and classification.
- **Tools and Techniques:** Data preprocessing, model training, data augmentation, and hyperparameter tuning.
- **Publication:** Research paper successfully published in **IGI Global** publications.

Certificates

● Java IIT Bombay Certification   ● PHP and MySQL IIT Bombay Certification   ● Web-Development Bootcamp