Jalaluddin Ansari

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Summary — Bridging Software development and Data Science to create efficient, data-driven applications and solutions.

Skills

- **Languages** : Python, JavaScript, C, Java, HTML, CSS; **Database**: MySQL, MongoDb
- **Frameworks** : ReactJs, NodeJs, ExpressJs, Bootstrap, TailwindCSS, Tkinter
- **Libraries** : Numpy, Pandas, Matplotlib, Scipy, Tensorflow, Pytorch, Scikit-Learn
- **Soft Skills** : Communication, Problem Solving, Team Work, Adaptability

Projects

GST Billing Software - Developer(Self-Developed)   **Jan2021 – May2021**
- Developed a full-fledged industry-ready GST billing software using **Python Tkinter** for the frontend and **OOPs** concepts as backend.
- Integrated **MySQL** database for storing transaction data and customer records.
- Designed functionality to generate bills in **Word** format, with an option to convert them to **PDF**.
- Enabled data export to **Excel** for record-keeping and monthly analysis of sales and transactions.
- Implemented a **print** command to directly print invoices from the software.
- Separate section for purchase is also included, at the end of the month, we can export a calculated **Excel** file showcasing the **GST** amount that needs to be paid.
- Sold 2-3 copies to small businesses, demonstrating its practical industry adoption.

Technologies
- Python- Tkinter, openpyxl, pillow, docx, threading, pandas, mysql-connector; Database-MySql; Word, Excel

Web Development Projects   **Jan2021 – Present**
- **Car Servicing Management System (Advanced):** Developed a **form-based web application** for a car servicing company to collect and store data on tyres, engine, and oil using **MongoDB, React, and Express.js**.
- **Password Manager**: Secure web app for storing and managing passwords with encryption.
- **Student Management System:** Platform for managing student and teacher records with MySQL database.
- **X and O Game:** Interactive Tic-Tac-Toe game built with React.js.
- **Weather Application:** Fetches and displays real-time weather data using APIs.
- **Notes Provider:** Online note-taking app with data storage in MongoDB.
- **Other Projects:** Built multiple simple and advanced websites using **HTML, CSS, JavaScript, TailwindCSS, Bootstrap, and React.js**.

Malaria Disease Detection - Machine Learning Project   **Sep2023 – Nov2023**
- Developed a **CNN-based model** using **TensorFlow and Keras** to detect malaria from blood smear images.
- Utilized Data Science tools like **OpenCV (cv2)** for image processing and **NumPy, Pandas** for data handling.
- Achieved **95% accuracy** in classifying images as malaria-positive or negative.
- Trained the model on a **labeled dataset** and optimized performance using **Deep learning** techniques.

Experience

IBM SkillsBuild   **Jun2023 – Jul2023**
Data Analyst Intern
Role
- Conducted **data cleaning**, **preprocessing**, and **visualization** to extract meaningful insights.
- Used tools like **Python**, **SQL**, and **Excel** for data analysis and reporting.
- Developed dashboards and reports to communicate findings effectively.
- Applied **statistical techniques** to analyze trends and patterns in datasets.
- Collaborated with a team to work on **real-world datasets** and **case studies**.

Technologies
- Python, Numpy, Pandas, Matplotlib, Seaborn, Scikit-Learn, SQL, NoSQL - MongoDb — Machine Learning — Data Science

Education

Lokmanya Tilak College of Engineering - Mumbai University   **Aug2021 - Present**
Bachelor of Engineering in Computer Science and Engineering(Artificial Intelligence and Machine Learning)
Honors : Blockchain Technology — CGPA : 8
Expected Graduation : May 2025

12th - R.J. College   **2021**
Stream : Science and Scored 78%