ARNAB DAS

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SUMMARY

Highly motivated and dedicated Computer Science Engineering Graduate seeking a career opportunity in a prestigious Software Company. With a strong desire to excel as an IT Developer, I am committed to contributing my academic knowledge and skills. am now focused on transitioning my career into the IT field to expand my technical abilities.

SKILLS

- **Programming:** SQL, JavaScript, HTML5, CSS, Linux, React, React Native, Chart.JS
- **Database:** MySQL
- **Analytical Tool:** Microsoft Excel
- **Software:** Microsoft Office 365, VS Code
- **Soft Skills:** Excellent verbal and written communication skills, presentation, and storytelling skills
- **Languages:** English, Hindi, Bengali

EDUCATION

• **Guru Nanak Institute of Technology, Kolkata, IN** Aug 2021 – July 2024
Bachelor of Technology in Computer Science
CGPA: **7.51/10**
Key Modules: Data Structures, Numerical Methods and Statistics, Computer Architecture, Object Oriented Programming using Java, Data Base Management System, Operating System, Software Engineering, Computer Network, Web Technology

• **Kingston Polytechnic College, Kolkata, IN** Jun 2014 – May 2017
Diploma in Civil Engineering
CGPA: **6.91/10**

• **Rahara Ramakrishna Mission, Kolkata, IN** Mar - 2014
West Bengal State Council of Vocational Training (WBSCVT)
Grade: **70.86%**

• **Sodepur Chandra Chur Vidyapith, Kolkata, IN** May – 2012
West Bengal State Council of Secondary Education (WBSCSE)
Grade: **51.85%**

CERTIFICATIONS

- **Python for Data Science, AI, and Development**: Coursera and IBM
- **Machine Learning with Python**: Coursera and IBM
- **Machine Learning for Data Analysis**: Coursera and Wesleyan University

ACADEMIC PROJECTS

Facial Recognition System using OpenCV and LBPH:

Aim: *This project is to develop a facial recognition system that efficiently detects, trains, and recognizes faces using OpenCV, LBPH, and a user-friendly Tkinter-based GU.*

- Developed a facial recognition system using OpenCV and the LBPH (Local Binary Patterns Histograms) algorithm.
- Designed a Graphical User Interface (GUI) with Tkinter for easy user interaction and model training.
- Implemented a face detection and recognition pipeline using OpenCV to preprocess images and extract facial features.
- Trained a machine learning model with facial data, and saved the model as a classifier for future recognition tasks.
- Utilized MySQL to manage and store user data efficiently.
- Demonstrated real-time facial recognition with an accuracy-optimized model trained on custom image datasets.
- Enhanced system usability with message prompts and real-time training feedback using Tkinter's message box.

Impact: Creation of an efficient, real-time facial recognition system that can enhance security and authentication processes by providing a reliable and user-friendly solution for facial identification, with potential applications in surveillance, access control, and personalized user experiences.

Online Restaurant Table Reservation System – JavaScript, HTML5, CSS:

Aim: *Develop a user-friendly online system that allows customers to view and reserve restaurant tables in real time.*

- Employed HTML5 to structure the contents such as entering reservation details, available slots, navigation menus, and CSS to ensure the website's responsiveness.
- JavaScript is embedded to ensure all the required fields are correctly filled, utilized AJAX for seamless interaction with the server, dynamically updates the webpage based on user interaction without page reload and handles asynchronous requests.

Impact: Enhanced customer experience by providing a quick, easy and reliable way to secure dining reservations improving customer satisfaction and increasing traffic on the website.