NIKKATH ZABEEN SHAIK

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EDUCATION

Indian Institute of Information Technology   **Kerala,India**

Bachelor of Technology- Computer Science and Engineering; **CGPA- 8.82**   Aug '23 - Apr'27

- Courses: Data Structures and Algorithms, Web Development, Computer Programming, Databases, operating Systems,Bioinformatics,Machine Learning, Artificial Intelligence and more

Sri Sarada Educational Institutions   **Andhra Pradesh,India**

APBIE Board, **JEE Main-96.5 Percentile**   Class-XII :95.4%

SKILLS SUMMARY

Programming Languages: Python, Java, C++, C

Machine Learning & Data Science

- Frameworks & Libraries: NumPy, Pandas, Matplotlib, Seaborn, Scipy, TensorFlow, Keras, Scikit-Learn
- Deep Learning & NLP: Neural Networks, CNN, RNN, LSTMs, Transformers, Word Embeddings, BERT, Sentiment Analysis

Web Development – MERN Stack

- Frontend: HTML, CSS, JavaScript, Bootstrap, React, EJS
- Backend: Node.js, Express
- Databases: MongoDB, SQL, SQLite

Tools & Platforms: Linux, Git, GitHub, VS Code, Jupyter Notebook

Web Services & Networking: REST API, PHP, Socket Programming

Mathematics & Statistical Analysis: Discrete Mathematics, Linear Algebra, Calculus, Probability, Statistics, Random Processes, Differential Equations and Transforms

PROJECTS

WanderWave- MERN Stack [Link](#)

- Developed a dynamic travel website for explorers, featuring location-based property listings (hotels, villas, islands). Integrated Mapbox for geolocation and Cloudinary for efficient media management. Built with the MERN stack (MongoDB, Express.js, React, Node.js) for scalability and performance, deployed on MongoDB Atlas for reliability. Implemented customer reviews, a responsive UI/UX, and security-focused optimizations using various npm packages.

Flavours And Fables- Restaurant management system [Link](#)

- Developed a restaurant management system using Node.js, Express, MySQL, and EJS, streamlining employee and customer interactions for an optimized dining experience.

- Key Features:
  Secure User Authentication – Implemented role-based access for customers and employees.
  Dynamic Menu Management – Enabled real-time menu updates.
  Order Placement & Tracking – Designed an intuitive system for seamless order processing.
  Employee Dashboard – Provided staff with tools to manage orders and customer details efficiently.
  Real-Time Data Handling – Leveraged MySQL for fast, scalable data management.
  Responsive UI/UX – Built an interactive, mobile-friendly interface with EJS templates.

AI-Powered Disaster Response System

Developed an AI-based web application for real-time disaster detection, severity prediction, and emergency response using social media, satellite images, and weather data. Leveraged NLP (LSTM/BERT), CNN, and ML (Decision Trees, SVM) models to classify disasters, predict severity, and send real-time alerts. Integrated a user-friendly web interface with a dashboard for emergency responders to track disaster updates, affected areas, and severity levels.

Key Technologies:

- Machine Learning: LSTM/BERT, CNN, Decision Trees, SVM
- Deep Learning: NLP (text classification), CNN (image classification)
- Web Development: Flask, HTML, CSS, JavaScript
- APIs: Google Maps API, Twilio API (SMS/Email Alerts)

EXPERIENCE

Placement Cell Coordinator IIIT Kottayam   June 2024- Present
- Coordinated recruitment activities and managed employer relations to enhance placement opportunities.
- Facilitated campus recruitment drives, including scheduling, logistics, and communication with companies.