

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
- Generative AI: GPT, BERT, Fine-tuning Large Language Models (LLMs), Transfer Learning

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, Postman

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 system to streamline employee and customer interactions for an optimized dining experience.

- **Secure Authentication:** Role-based access for customers & employees.
- **Dynamic Menu & Orders:** Real-time menu updates, seamless order placement & tracking.
- **Employee Dashboard:** Efficient order & customer management.
- **Scalable Data Handling:** MySQL for fast, real-time operations.
- **Responsive UI/UX:** Interactive, mobile-friendly interface with EJS templates

AI-Based Resume Screener [Link](#)

AI-Based Resume Screener: Developed an end-to-end candidate evaluation system using Python, NLP (NLTK), and machine learning (scikit-learn). Leveraged predictive modeling and automated resume screening to enhance data-driven recruitment processes. Deployed a scalable web application using Flask on Render for real-time candidate insights.

MitraAlert [Link](#)

Developed a real-time AI-powered web app for disaster detection, severity prediction, and emergency response using social media, satellite images, and weather data. Implemented NLP (LSTM/BERT), CNN, and ML models (Decision Trees, SVM) for classification and severity analysis. Integrated Flask-based web interface with Google Maps & Twilio APIs for real-time alerts and emergency tracking.

RESEARCH PAPERS

Fake News Detection in Healthcare

Developing a fake news detection system for the healthcare sector using text preprocessing techniques, machine learning algorithms, and deep learning models. Implemented data cleaning, feature extraction, and model training to improve accuracy in identifying misinformation.

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.

