

Shaik Ahamed Alisha

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EDUCATION

IIIT NUZVID

Bachelor of Technology in Computer Science

NUZVID, AP

Aug. 2021 – May 2025

IIIT NUZVID

Pre University Course

NUZVID, AP

Aug. 2019 – May 2021

EXPERIENCE

Full Stack Developer Intern – Edubot Summer Internship

May 2024 – June 2024

Remote

Duration: 1.5 Months

- Developed a full-stack **Expense Tracker Web Application** that allows users to set monthly budgets, categorize expenses, and visualize spending patterns through dynamic charts.
- Built a responsive and user-friendly frontend using **React.js**, **HTML**, **CSS**, **JavaScript**, and **Chart.js** with real-time form validation for smooth user interactions.
- Designed and implemented a scalable backend using **Node.js** and **MongoDB**, enabling secure and efficient storage of user profiles, transactions, and budget data.
- Added intuitive UI elements and feedback mechanisms to improve usability and help users track their financial goals more effectively.

PROJECTS

PORTFOLIO Website | *React.js, CSS, Node.js, Nodemailer*

- Designed and developed a modern, fully responsive personal portfolio website using **React.js** and custom **CSS**, optimized for mobile, tablet, and laptop devices.
- Integrated a secure contact form with **Node.js** backend and **Nodemailer** for seamless email communication, enabling direct outreach from visitors.
- Implemented smooth animations and interactive UI elements to enhance user engagement and deliver a polished user experience across all screen sizes.

EXPENSE TRACKER Web Application | *HTML, CSS, JavaScript, React.js, Chart.js, Node.js, MongoDB*

- Developed a feature-rich expense tracker that allows users to set monthly budgets, track their expenses by categories, and view spending patterns.
- Implemented real-time form validation, intuitive UI design, and budget notifications to enhance user experience and financial awareness.
- Backend built with **Node.js** and database managed using **MongoDB** for robust data storage and retrieval.

KNOWLEDGE GRAPH EMBEDDINGS | *Python, NetworkX, Word2Vec*

- Worked on Temporal Knowledge Graph Embeddings with subgraph localization. The project involved extracting triplets, constructing graphs, and generating embeddings using **Word2Vec**.
- Implemented subgraph localization using the **NetworkX** Python module to capture temporal dynamics and enable context-aware reasoning and predictions.
- Used **NetworkX** for graph visualization, representing data as nodes and edges for better interpretability.

ACCIDENT DETECTION AND EMERGENCY ALERT SYSTEM | *Python, YOLOv8, OpenCV, Django, Twilio*

- Built an end-to-end accident detection system using **YOLOv8**, achieving 97% detection accuracy on a custom-labeled dataset.
- Implemented extensive data augmentation and fine-tuned the model to improve robustness and real-world performance.

- Designed a real-time video pipeline to detect accident frames, extract license plates, and automatically send alerts using Twilio SMS.
- Integrated Django backend for API handling and efficient storage of detected frames and alert metadata in SQLite.

TECHNICAL SKILLS

Languages: C, Java, Python, SQL

Frontend: HTML, CSS, JavaScript, React.js

Backend: Node.js

Database: MySQL, MongoDB

Libraries: NumPy, Pandas, Matplotlib

Developer Tools: Git, VS Code, PyCharm

Coursework: Data Structures, DBMS, Operating Systems, OOPs

ACHIEVEMENTS & CERTIFICATIONS

- **50 Days of SQL Challenge** – Completed intensive hands-on SQL practice (*Issued: Dec 2024*)
- **Intro to Front-End Development** – Certification by Meta [Coursera]
- **Microsoft Azure AI Fundamentals** – Certification by Microsoft Learn