Aousula Prashanth

Frontend Engineer

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EXPERIENCE

Full Stack Developer Intern   Aug '24 — Nov '24
GWING Software Technologies   Hyderabad, India
- Full-Stack Project Development: Built and deployed multiple full-stack web applications using the MERN stack (MongoDB, Express.js, React.js, Node.js), ensuring seamless user experience and scalability.
- User Authentication Security: Implemented Firebase Authentication and JWT-based authentication to secure user accounts and manage sessions effectively.
- RESTful APIs CRUD Operations: Designed and developed RESTful APIs for various application functionalities, enabling efficient data retrieval, manipulation, and storage.
- Collaboration Agile Development: Worked with cross-functional teams in an Agile environment to develop, test, and deploy features, ensuring high-quality software delivery.

Software Development Engineer Intern | Team Leader   Aug '24 — Sep '24
Bluestock Fintech   Pune, India
- IPO Web Application Frontend: Designed and developed the frontend for a web application featuring upcoming IPO companies, using React.js and CSS to create a responsive and user-friendly interface.
- Admin Dashboard for IPO Management: Implemented an admin dashboard that allowed administrators to easily add, update, or delete IPO listings, enhancing content management and platform control.
- API Integration User Experience Optimization: Developed an intuitive user interface and ensured smooth data flow between the frontend and backend, utilizing Django REST Framework for API integration and PostgreSQL for reliable data storage.

EDUCATION

Bachelors in Artificial Intelligence and Data science, Nalla Malla Reddy Engineering College (GPA: Jun '21 — May '25
CGPA 8.2/10)   Hyderabad, India

PROJECTS

Blog Application
- Developed a full-stack blog application that allows users to create, read, update, and delete blog posts.
- Built a secure authentication system using JWT to restrict access.
- Designed RESTful APIs with Express.js and Node.js for efficient backend operations.
- Integrated MongoDB for scalable data storage.
- Added a commenting feature for user engagement.

MOODsync
- Developed an AI-driven music recommendation platform that curates personalized playlists based on user mood.
- Implemented Spotify and Firebase authentication for secure user login.
- Integrated Deezer APIs to fetch and stream music dynamically.
- Used Face-API.js for real-time emotion detection and text analysis to analyze mood from facial expressions and user input.
- Provided manual selection options for refining recommendations and creating custom playlists.
- Built RESTful APIs with Express.js Node.js to handle user preferences and playlist generation.

Multiple Disease Prediction System
- Developed a machine learning-based health risk prediction system for Diabetes, Heart Disease, and Parkinson's Disease.
- Built an interactive Streamlit-based web application for real-time disease risk assessment.
- Implemented data preprocessing, feature selection, and ML model evaluation for accurate predictions.
- Used Logistic Regression SVM classifiers to analyze medical datasets.
- Deployed the application on Streamlit Cloud for easy accessibility.

SKILLS

Programming Languages   Python, C++, JavaScript (ES6+)
Machine Learning   Supervised Unsupervised Learning, Model Evaluation, Hyperparameter Tuning, Cross-Validation, Data Preprocessing, Feature Engineering
Web Development   React.js, Next.js, Tailwind CSS, Node.js, Express.js, MongoDB, RESTful APIs, JWT Authentication, State Management (Redux, Context API), HTML + HTML5, CSS
Data Handling   Data Cleaning Preprocessing, Exploratory Data Analysis (EDA)
Development Tools   Flask, Git, Jupyter Notebook, Google Colab, Anaconda, Spyder, VS Code