Aousula Prashanth

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Education

Nalla Malla Reddy Engineering College Hyderabad, Telangana ,India
Bachelors of Technology in Artificial Intelligence and Data science;CGPA 8.2/10   *Jun 2021 - May 2025*

Experience

Gwing Software Technologies Hyderabad, India
Full Stack Developer Intern · Hybrid   *August 2024 - November 2024*

- Built a Modular Learning Platform with role-based access using Node.js, Express, MongoDB, and Next.js.
- Implemented admin and learner dashboards with nested course structure (Courses → Sections → Units → Chapters).
- Integrated JWT authentication, protected routes, and dynamic rendering based on user roles.
- Enabled chapter-wise interactive questions (MCQ, fill-in-the-blank, text/audio) and progress tracking using a custom UserProgress model.
- Used Redux/React Context for state management and Mongoose populate for efficient nested data handling.

Bluestock Fintech Pune, India
Software Development Engineer Intern | Team Leader · Remote   *Aug 2024 - Sep 2024*

- 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.

Projects

Dev-Sea - Developer Q&A Platform

Tech Stack: react.js, express.js, node.js, mongodb, jwt authentication

GitHub | *Deployed* 🔗

- 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-Real-Time Mood-Based Music Engine for Cabs, Flights & Personal Use

Tech Stack: React.js, Node.js, Express.js, Firebase Auth, Deezer API, YouTube API, Face-API.js, Text Analysis

GitHub | *Deployed* 🔗

- Developed a **real-time mood-based music recommendation platform** targeting cab users and flight passengers.
- Integrated **Face-API.js** and **text sentiment analysis** to detect emotions and generate personalized playlist suggestions.
- Fetched music from **Deezer** and **YouTube** APIs based on mood (happy, sad, angry, etc.).
- Enabled seamless **authentication using Firebase**, ensuring secure access to custom recommendations.
- Designed a responsive dual-tab interface for toggling between **Deezer and YouTube playlists**, with smooth UI/UX and mobile responsiveness.
- Use case: Can be embedded into **cab infotainment** or **in-flight entertainment systems** to improve passenger experience.

Multiple Disease Prediction System 🔗: streamlit, scikit-learn, python, logistic regression, svm, nltk, pandas, numpy

- 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.

Programming Skills

Languages: Python, C++, JavaScript (ES6+).

Machine Learning: Supervised Unsupervised Learning, Model Evaluation, Hyperparameter Tuning, Cross-Validation, Data Preprocessing, Feature Engineering.

Data Handling & Visualization: Data Cleaning Preprocessing, Exploratory Data Analysis (EDA).

Web Development (MERN Stack): React.js, Next.js, Tailwind CSS, Node.js, Express.js, MongoDB, RESTful APIs, JWT Authentication, State Management (Redux, Context API),HTML,CSS.

Other Skills: Data Structures Algorithms (DSA), Problem-Solving Skills.

Deployment & Tools: Flask, Git, Jupyter Notebook, Google Colab, Anaconda, Spyder, VS Cod