# 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 8.4/10*          *Dec 2021 - Jul 2025*

## Experience

**Gwing Software Technologies**                           Hyderabad, Telangana, 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,TailwindCss.
- 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, Firebase.

*GitHub* | *Deployed* 🔗

- Built a full-stack **Q&A platform** for developers using **React.js, Node.js, Express.js, and MongoDB.**
- Implemented **Firebase Authentication** with email and Google login, GitHub login, Facebook login.
- Integrated a rich text editor supporting code blocks, tables, and mentions for advanced content formatting
- Developed modular RESTful APIs to manage questions, answers, tags, and user profiles efficiently
- Designed scalable MongoDB schemas to handle complex relationships between users, questions, and answers
- Added keyword search and tag-based filtering for easy content discovery and navigation
- Focused on secure authentication, responsive UI, and seamless user experience in a collaborative developer community

**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

*GitHub* | *Deployed*

- 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.

**Computer Science Fundamentals:** Data Structures Algorithms (DSA), Problem-Solving Skills.

**Soft Skills:** Team collaboration, Technical communication, Rapid learning, Ownership mindset.