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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.

# **[Project](https://github.com/Aousulaprashant/)s**

[**Dev-Sea**](https://dev-sea-nru4.vercel.app/) **- Developer Q&A Platform** ***Tech Stack****:* React.js, Express.js, Node.js, Mongodb, jwt authentication, Firebase.

[***GitHub***](https://github.com/Aousulaprashant/Dev-Sea)**|** [***Deployed***](https://dev-sea-nru4.vercel.app/)

* 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***](https://github.com/Aousulaprashant/MOodsync-Real-Time-Mood-Based-Music-Engine-for-Cabs-Flights-Personal-Use/tree/main)**|** [***Deployed***](https://m-oodsync-real-time-mood-based-music-engine-for-cabs-3hfy650np.vercel.app/)

* 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** [](https://multiple-disease-prediction-system-mlgit-a32er9hkm3gwg99tftmb2.streamlit.app/): streamlit, scikit-learn, python, logistic regression, svm, nltk, pandas, numpy](https://multiple-disease-prediction-system-mlgit-a32er9hkm3gwg99tftmb2.streamlit.app/)

[***GitHub***](https://github.com/Aousulaprashant/Multiple-Disease-Prediction-System-ML)**|** [***Deployed***](https://multiple-disease-prediction-system-mlgit-a32er9hkm3gwg99tftmb2.streamlit.app/)

* 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.

**Competitive Programming & DSA**

* Solved 400+ problems across platforms: LeetCode, GeeksforGeeks, CodeStudio
* Familiar with patterns in arrays, trees, recursion, sliding window, backtracking, DP, and graphs