Tejassri Avinasha Ryali
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SRKR Engineering College

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EDUCATION

Degree	Specialization	Institute	Year	CPI
IRC-Nxtwave	*Full Stack Web Development*	Nxtwave	2022-Present	-
B.Tech	*Aritificial Intelligence & Data Science*	SRKR	2022-Present	8.94
BIEAP	*Physics, Chemistry, & Mathematics*	Aditya College	2020-2022	8.58
SSC	-	Anathavaram School	2020	10.0

WORK EXPERIENCE

- **React Intern** *[Futrainc]* *May-Jul 2024*
  - As an Intern developed and designed the frontend and APIs for a food **recommendation ML model** . Created interactive UI using React.js and effectively managed state to enhance user experience.
  - **Collaborated** closely with the backend team to integrate APIs and optimize data flow, ensuring seamless functionality and performance. **Improved the efficiency and reliability** of the overall system.

PROJECTS

- **AMILE amile.vercel.app** *July-Aug 2024*
  - **Leading** the development of *AMILE (Advanced Machine for Interview and Learning Expert)* for the Smart India Hackathon, an AI-driven platform designed to revolutionize job and interview preparation.
  - **Developed** the web interface with secure authentication and authorization, seamlessly integrating the web platform with ML models and APIs for a interactive interview simulation experience. **Designed** a user-friendly interface supporting text, voice, and video interactions with personalized feedback.
- **ClassMate (classmate.buddy)** *July-Aug 2024*
  - A college-level social media platform using **Next.js** and **Postgres** with **Prisma ORM**. The app connects students through posts, comments, likes, followers, and real-time chat, with a 24-hour stories feature.
  - **Implemented** secure registration for college-authorized students only, ensuring a safe community. Deployed the database on **Supabase** and the application on **Render**, using **Cloudinary** for media storage.
- **PDF Chat App (pdfchat.app)** *May-June 2024*
  - **Developed** a PDF Chat App using FastAPI and React for interactive QA on PDF content. Utilized **PyMuPDF for text extraction**, LangChain for chunking, and Gemini AI for embeddings and responses.
  - **Implemented a FAISS vector store** for efficient **similarity search**, ensuring accurate answers to user queries. This combination provided robust performance and precise query handling with Elegant UI.
- **Jobby App (jobby.app)** *Nov-Dec 2023*
  - **Implemented** Jobby App where users can log in to view and search jobs by title, salary range, and employment type. Designed pages for Login, Home, Jobs, and Job details using React Class Components.
  - **Authenticated** users via username/password with JWT token storage for persistent login. Used React Router for navigation and protected routes. Filters and searches were handled via query parameters.

POSITIONS OF RESPONSIBILITY

- **MERN Event Coordination** *[MERN Stack 12 Day Bootcamp and Hackathon]* *Aug 2024*
  - **Served** as a tech team member at the Vedic Vision MERN Bootcamp and 24-Hour Hackathon, supporting 250+ participants across 50 teams in tackling health and sports challenges.
  - **Provided** technical assistance, troubleshooting, and ensured smooth event execution, fostering innovation and collaboration in the hackathon.

EXTRA-CURRICULAR ACHIEVEMENTS/ACTIVITIES

- **SIH Internal Hackathon Winner** Smart India Internal Hackathon 2023 Shortlisted Conducted by the SRKR Engineering College Bhimavaram,among 100+ participants .Awarded as junior **best** team.

TECHNICAL SKILLS

- **Technologies:** HTML ,CSS , JavaScript ,Next.js*, React.js, Node.js .
- **Languages:** Python, C++, SQL , NoSQL(MongoDB).
- **Tools Others:** Data Structures and Algorithms ,Jupiter Notebook, LaTeX, VS Code, GitHub, Docker.

OTHER CERTIFICATIONS

- **CPA: Programming Essentials in C++** - Accomplished tasks related to the basics of programming in C++ and understood fundamental OOP concepts.