

## EDUCATION

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•**Bachelor of Technology in Computer Science and Engineering**

**SGPA: 8.2**

*RV University*

2022-26

## PERSONAL PROJECTS

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•**VakeelAI - A Legal Chatbot**

*Legal chatbot offering IPC queries, document drafting, and precedent searches, Built it in 24Hrs during a Hackathon*

- IPC Query Support – Retrieves relevant Indian Penal Code sections.
- Legal Document Drafting – Helps generate legal paperwork easily.
- Precedence Search [USP] – Uses RAG, vector DBs, and LLMs for accuracy.

•**Built Website for an Import-Exports company**

*Developed a landing page for an import-export business (Freelance).*

- Built with React (TSX), Tailwind CSS, and FramerMotion.
- Super fast with fully reusable components.

•**Youtube Caption Search Engine**

*Searches YouTube captions, finds matching videos, and plays relevant segments.*

- Searches YouTube captions for specific phrases.
- Plays matching video segments without downloading. Built with React and ExpressJS

•**Gamified Muscle Therapy Using EMG Signals**

*Won 2nd place at IEEE Student Project Showcase Hackathon*

- Designed a system that interprets EMG signals to gamify rehabilitation exercises for patients undergoing muscle therapy.
- Integrated real-time signal processing and adaptive feedback to enhance patient compliance and recovery.

•**Twist-Tac-Toe**

*Strategic twist on Tic-Tac-Toe ensuring every game has a winner. A TicTacToe game without any DRAWS*

- Implemented unique game mechanics ensuring every match results in a winner, enhancing competitive play.
- Developed using ReactJS and FramerMotion, featuring an interactive and dynamic UI.

•**Adaptive Learning System**

*Personalized microservices-based learning platform for students and real-time analytics for educators.*

- Designed and implemented scalable microservices and a headless backend architecture, enhancing system modularity and maintainability.
- Utilized Docker and Docker Compose for efficient containerization and deployment of services.
- Implemented JWT-based authentication to ensure secure access across services.

## EXPERIENCE

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•**Research Intern at Blockchain and AI Security RVU**

**Dec 2023 – May 2024**

- Conducted research on preventing deepfakes in blockchain systems by focusing on detection and mitigation techniques before immutability
- Proposed a hybrid solution combining cryptographic hashing and ML algorithms to ensure data authenticity

•**Front-End Developer Intern — Shaale**

**Feb 2024 – May 2024**

- Learnt ReactJS and Designed a dynamic user interface for artist profiles, increasing engagement
- Developed secure backend integrations for artist-user interactions, leading to a rise in connections.

## TECHNICAL SKILLS AND INTERESTS

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**Languages:** C++, Python, Javascript, Typescript, HTML+CSS

**Web Dev Tools:** Nodejs, VScode, Git, Github, Docker, Jenkins

**Frameworks:** ReactJs, Vite, ExpressJS

**Cloud/Databases:** AWS, PostgreSQL, PostgreSQL

**Areas of Interest:** Full Stack Development, MERN, Web3, Crypto, Blockchain.

**Soft Skills:** Problem Solving, Self-learning, Adaptability