

# Arjun U

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## Professional Experience

### WowLabz | Fullstack intern | September 2025 - Present

- Developed web application features using the MERN stack ensuring high performance and responsiveness.
  - Managed global state across complex components using Redux, reducing unnecessary re-renders and improving UI consistency.
  - Built secure authentication flows using JWT and implemented Redis for efficient server-side caching.
  - Containerized applications using Docker for consistent development environments and assisted in deploying services to AWS.
  - Leveraged Python and AI coding tools (like GitHub Copilot/Cursor/Antigravity) to accelerate development cycles and automate repetitive tasks.
  - Collaborated in an agile environment, participating in code reviews and utilizing TypeScript for better code maintainability.
  - fixing high-priority bugs in production-ready MERN applications, ensuring seamless user experiences and reduced downtime.
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## Skill Summary

- **Languages:** JavaScript (ES6+), TypeScript, Python, HTML5, CSS4.
  - **Frontend:** React 19, Redux Toolkit, TailwindCSS4, Jest.
  - **Backend:** Node.js, Express 5, MongoDB (Mongoose), Redis, SQL, Flask, REST Api.
  - **DevOps/Tools:** Docker, AWS, Git, Postman.
  - **Security:** JWT Authentication, Argon2, Helmet.
  - **Productivity:** AI-Assisted Development (Antigravity).
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## Projects

### GroceEazy Organic Shopping

- Designed a scalable MERN stack app using TypeScript with a layered BE (Controller–Service–Repository) to keep business logic clean and testable.
- Built a high-performance React frontend with Redux Toolkit + Persist, using debounced search, pagination, React Hook Form, and Zod validation.
- Implemented production-grade security with JWT auth, Argon2 hashing, role-based access control, Helmet, CSRF protection, and analytics dashboards.

### AI Freaks.agency(Freelance)

- Developed an AI-powered chatbot using ChatGPT API, automating FAQs and reducing support workload.
- Enhanced user experience with prompt engineering, achieving 90%+ accuracy in real-time responses.

### Astrology Prediction chat system

- Built a chatbot-based astrology system as part of an academic project.
  - Implemented NLP-driven responses tailored to astrological query inputs.
  - Applied research principles to explore user interaction in chat systems
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## Education

**SRM Institute of Science and Technology**  
Masters, Computer Applications

**MCA**  
June 2023 - April 2025

**Yuvakshetra Institute of Management Studies**  
Bachelors, Computer Applications

**BCA**  
July 2020 - May 2023

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## Certifications

- AI-ML Virtual Internship(Google, AICTE)
- Python Data Analytics (META, Coursera)