

Rachit Arya

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Education

Graphic Era Hill University

Master of Computer Application

Aug. 2022 – Jun. 2024

Dehradun, Uttarakhand

H.E.C Group of Institution

Bachelor of Computer Application

Aug. 2019 – Jun. 2022

Haridwar, Uttarakhand

Experience

ForeignAdmits

Software Developer Intern

Feb. 2025 – Present

Bengaluru, Karnataka

- Developed core **SaaS platform modules** including student dashboard and course finder using **Angular, Express.js, Redis** and **MongoDB**, serving the education admissions platform with 40% improvement in development efficiency.
- Created **scalable, responsive components** with **pagination** and real-time data sync for the SaaS application, achieving 25% increase in user engagement and 15% customer satisfaction boost.
- Implemented **RESTful APIs, Redis caching** and **database Indexing** for platform scalability, delivering 30% faster query performance and supporting seamless data flow across dashboard and search functionalities.
- Built **shortlisting system** for course finder, enabling students to save and manage their favourite institutions with easy comparison functionality and organized collections.

Veritech Software Services

Web Developer Intern

Jan. 2024 – Apr. 2024

Gurugram, Haryana

- Spearheaded front-end development projects, transforming design concepts into 30+ functional **web components**, enhancing interface usability by 25%.
- Resolved technical challenges and participated in 15+ **code review sessions**, ensuring adherence to high-quality standards and improving code efficiency by 20%.
- Created responsive web pages with **HTML, CSS**, and **JavaScript**, achieving 30% improvement in page load times through optimization techniques.

Technical Skills

Languages : Python, Java, JavaScript, TypeScript

Web Frameworks : React.JS, Angular.JS, HTML5, CSS3

Backend & Database : Node.JS, Express.JS, MongoDB, MySQL, REST APIs

Tools & Specializations: Git, Data Structures, Generative AI

Projects

InterviewMock.AI | React, Firebase, Gemini API [GitHub](#)

Jun. 2025

- Developed an AI-powered mock interview platform using **React (Vite), Firebase, Clerk**, and **Shadcn UI**, simulating 100+ interview scenarios with webcam and voice interaction.
- Integrated **Gemini API** to generate 50+ dynamic questions per session and provide AI-driven feedback using **speech-to-text** and **text-to-speech**, achieving 95%+ transcription accuracy.
- Deployed the application on **Firebase Hosting**, enabling fast, scalable access and achieving a **99.9% uptime** during testing and demo sessions.

CreadCast | Mern Stack [GitHub](#)

Apr. 2025

- Designed and developed a full-stack content aggregation platform using **React.js, Node.js, Express.js**, and **MongoDB**, integrating real-time feeds from **Twitter, Reddit**, and **LinkedIn APIs**.
- Implemented a **JWT-based authentication system** and a credit points mechanism enabling users to earn/spend points for actions like **saving, sharing**, and **reporting** content, with full transaction tracking.
- Created a role-based **admin/moderator dashboard** to manage users and content, **review reports**, and monitor engagement metrics; deployed the application on **Vercel** for fast and scalable delivery.

Vehicle Detection Model | Python [GitHub](#)

Dec. 2024

- Developed a **comprehensive vehicle and object detection** project with **YOLOv4**, achieving 95% **real-time detection** accuracy across diverse scenarios and conditions.
- Integrated **SQLite database** for live data storage, managing and securely storing over 1,000 data entries to track **operational performance metrics**.
- Optimized the model for **various lighting conditions** and angles, **improving detection accuracy** by 30% and ensuring **robust real-world performance**.

Certifications

- AI Tools & **Prompt Engineering** Workshop - *Advanced techniques training* - [Be 10x](#)
- Freshers Hiring Challenge, **SolveX** Monsoon hackathon - *Competitive coding event* - [KSOLVES](#)
- Solutions Architecture Job Simulation (**AWS**) - *Cloud infrastructure design* - [Forge](#)

Feb.2024

Sep. 2024

Dec. 2024