Ayush Raj

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Education

Indian Institute of Information Technology, Kottayam *2022 – 2026*
B.Tech in Computer Science and Engineering

Experience

SDE Intern *June 2024 – Sept 2024*
DashDots Robotics

- Contributed to the development of frontend of an in-house platform that used React.js and Tailwind CSS to connect international students and alumni with aspiring students, leading to a 30% increase in user engagement through a clean and intuitive interface.
- Collaborated with backend teams to integrate and optimize 15+ APIs, improving platform performance by 25% and ensuring seamless data flow across systems.
- Utilized Agile methodologies to reduce development cycle times by 20%, consistently meeting project deadlines and delivering high-quality features ahead of schedule.

Projects

ResQ (React js, Tailwind CSS, Framer Motion) *Link* ↗

- Developed the frontend interface of ResQ using React.js and Tailwind CSS, ensuring 100% responsiveness across devices. Integrated features like live hotspot mapping and real-time incident alerts, which can reduce user interaction time by 40% during emergency simulations.
- Designed and integrated 10+ reusable components, including incident notification panels, dynamic map overlays, and resource status cards, enabling scalable UI development and consistent performance in high-pressure emergency response scenarios.

JobBoard (React Js, Tailwind CSS, Node Js, Express.Js, MongoDB) *Link* ↗

- Currently building a full-stack job portal with role-based authentication for Employers and Job Seekers, aiming to support a scalable user workflow for 500+ users.
- Built using Node.js, Express, MongoDB, and JWT-based authentication. Integrated role-based access and real-time dashboards.

Technologies

- **Web Development:** HTML, CSS, Tailwind CSS, Javascript, PHP, React JS, Next JS, Redux, Node JS, Webflow, REST API, Framer-Motion
- **UI-UX Design and Tools:** Figma, Adobe XD, Canva, Git, Google Cloud Platform
- **Programming Languages and Databases:** C++, C, Java, Python, R, SQL, Cloud Databases
- **AI/ML and Data Science:** NumPy, Pandas, Matplotlib, Seaborn, OpenCV, Scikit-learn, Tensorflow

Soft Skills

- Mentored at Trendles Social Club, overseeing sub-clubs, coordinating initiatives, and fostering collaboration in cross-functional teams. Additionally, led the organizing team for the largest techno-cultural fest at IIIT Kottayam, driving planning, coordination, and successful execution.