

Akshat Khosya

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Education

Indian Institute of Information Technology Una (IIITU)

Dec. 2020 - Present

B.Tech in Computer Science Engineering | [Link to all courses](#)

CGPA: 7.87/10

Relevant Courses: Data Structures and Algorithms (C++) , Operating Systems, OOP (C++), Computer Networks, DBMS (SQL), Software Engineering, Mobile Applications Development (React Native)

Experience

Wendor Innovations Private Limited

Feb. 2023 - Aug. 2023

Software Engineering Intern

PostgreSQL, TypeScript, Node.js React, Raspberry Pi, Python, IoT, Docker

- Integrated **Ezetap** API seamlessly with **payment** services, revolutionizing vending machine transactions and offering customers a convenient and **secure new payment** method, increased **revenue** by **20%** within the **first quarter**.
- Engineered** a **Raspberry Pi** and **Arduino-based** cash/coin change machine service, revolutionizing **payment** transactions by establishing seamless **serial port** communication, streamlining **transactions** with **95% accuracy**.
- Created a **PCB** on top of the existing PCB to function as a cashless device using **STM32** and **MDB** protocol.
- Developed and implemented an **automated update** service for a specific machine on Raspberry Pi, **reduced** manual update time by **80%** and ensured timely deployment of critical software enhancements.

Cuvette Tech

Dec. 2022 - Feb. 2023

Back End Developer Intern

TypeScript, Express.js, Postman, React, Retool, MongoDB, Redis

- Spearheaded the development and successful implementation of an intuitive job portal feature, enhancing **user experience** and increasing **applicant-to-hire** conversion rate by **30% within 2 weeks**.
- Collaborated with the **Retool** platform to develop and implement intuitive admin pages for efficient **verification** of **companies** and **student** profiles, resulting in a **90% reduction** in **verification time**.
- Successful implementation of a powerful **score** algorithm that revolutionized applicant **filtering**, resulting in a **50% reduction** in manual review time.

Projects

Check In/Out System Mobile Application

Nov. 2022

Gate Entrance approval application

React Native, Node.js, Express.js, Postman, MySQL

- Orchestrated the seamless design and implementation of an innovative mobile application, integrating QR code scanning functionality, integrating **QR code** scanning functionality, reduced **75%** time in manual entry.
- Integrated QR code scanning functionality to streamline the entry and exit process, enhancing **user experience** and **reducing manual data** entry errors.
- Enhanced** performance by **memorizing** state variables, cutting down query & API **latency** using **cache**.

Alumni Portal SRM

Jan. 2022

Alumni portal to create post and represent them on a feed

React, AWS, Express.js, Postman, MongoDB

- Designed and developed a web application to foster connections among a community of over **300 +** SRM alumni.
- Architected** and deployed AWS, serving as a **scalable** back-end solution, resulting in a **50%** reduction in server costs.
- Enhanced security measures significantly by implementing **ID verification**, resulting in a 90% reduction in verification time.

Technical Skills

Languages: TypeScript, C, C++, SQL, HTML, JavaScript, Python, Java, CSS

Frameworks: Node.js, Express.js, React, React Native, Next.js, NestJS, JQuery

Technologies & Tools: Git, Linux, Docker, CI/CD, Github, Postman, MongoDB, Redis, MQTT, AWS

Achievements and Co-Curricular Activities

- Participated in 2 day long development hackathon Pro-go-thon and developed a Student Management System Prototype, which used QR code based validation and integration of Deep Learning.
- Mentored a team of 4 in SKILLABHYUDAYA (Web Dev) Event by Force Society (Finalist).
- Solved 400+ problems Leetcode, CodeChef & GeeksforGeeks, Max Rating - 1759 (3 Star) on CodeChef, Best Global rank- 165.