




MOHAMED IRFAN RASHID AM

Software Developer ~ CS Undegrad

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 Trivandrum, India

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SKILLS

Languages: Go, C++, C, Javascript, Typescript, Python, Java, SQL, Bash, Lua

Technologies: React, Nextjs, React Native, Flask, Expo, Tailwind, Firebase, Supabase, Docker, AWS, Google Cloud, Azure, MySQL, PostgreSQL, Prisma, Redux, Linux, Git, Arduino, OpenCV, Raspberry Pi, REST API

EXPERIENCE

SWE Intern - Datacurve (YC W24)

2024 Sept - 2025 Jan

- Improve stability of front-end back-end integration
- Data cleaning for fine-tuning LLMs for different applications
- Implemented new front-end features along with the corresponding API routes.

JS/TS / Flask

SDE Intern - Relish Life

2024 June - 2024 August

- Pioneered the development of a **high-impact, cross-platform multiplayer mobile game using Expo React Native**
- Implemented Supabase's built-in websocket functionality to establish a bidirectional communication channel, supporting real-time interactions.

JS/TS / Expo (React Native) / Supabase / Redux / SQL / Microsoft Clarity

SDE Intern - Oronium

2023 Dec - 2024 March

- Fully developed modern websites - **midseas.ae**, **aandbecompany.in** using NextJS
- Architected a scalable full-stack **e-commerce progressive web application** and real-time inventory management

Project - notjuststore.live

JS/TS / NextJS / Tailwind / Firebase / Redux

PROJECTS

Decentralized Version Control System using Block Chain

github.com/MohamedIrfanAM/dgit

Implemented a private, permissioned blockchain network using the Hyperledger Fabric framework, integrating IPFS for decentralized storage. This enables developers to version control their code without relying on a centralized remote repository like GitHub.

Mess Manager - Swiggy for Mess

github.com/MohamedIrfanAM/mess-user

Expo React Native application with a Firebase backend that allows users to explore and book/subscribe to various dining services (mess) at affordable rates. The app includes features such as payment notifications, payment history, and the option to request leaves.

GhostChat - Anonymous Chat Application, like Omegle Chat

github.com/MohamedIrfanAM/ghostchat

Expo React Native application with backend using supabase, utilized supabase realtime channels, serverless functions for random user matching

textrade.irfan.live - Full Stack E Commerce Inter-college resell Platform

github.com/MohamedIrfanAM/textrade

Web application tailored for university students to facilitate the reselling and purchasing of books within the campus community. Full fledged JWT authentication, realtime product updates and more. Utilized NextJS, PostgreSQL, PrismaORM, zustand, react-query

CameraControlledMouse

github.com/MohamedIrfanAM/CameraControlledMouse

OpenCV program that detects facial expressions to controlled mouse. Enables people with arm disability to use mouse with as much freedom as a normal person, Won 2nd prize for Sonorous hackathon conducted by IEDC CET

Maze Solving Robot

github.com/MohamedIrfanAM/mazecruizer

Mazesolving robot, that uses various path finding algorithms such as A* and Flood fill to find shortest path and navigate through the maze in shortest possible time. Won 1st prize for micromouse competitions at IIST Trivnadrum and TKM Kollam

Writing Machine (CNC Plotter)

photos.google.com/video

GRBL-based 2D plotter capable of drawing and writing with precision using corresponding GCODE. This A4-sized plotter aims to execute swift writing actions that mimic natural handwriting and intricate drawings.

EDUCATION

2022 - 2026	B.Tech Computer Science and Engineering 8.7 CGPA	College of Engineering Trivandrum
2020 - 2022	Higher secondary, Computer Science 97 %	GVHSS Valapd

HONOURS AND AWARDS

- First Prize in National Level Maze Solving competition, IIST Mazerun by ISRO
- 0x9[Hacker] Rank at TryHackMe, Top 5% Global ranking, Top 0.1% in Indian Rankings
- 500+ Problems solved in Codeforces, expertise in DSA
- Codeforces Rating - 1239, Codechef - 1449, LeetCode - 1500
- Codeforces global round rank 1029

CERTIFICATIONS

- Google Cybersecurity
- Modern Computer Vision GPT, PyTorch, Keras, OpenCV4 in 2024 - Udemy
- Discrete Mathematics - IISc Bangalore
- Introduction to Machine Learning - Kaggle
- Introduction to Deep Learning - Kaggle
- Competitive Programming Essentials, Mastering Algorithms - Udemy
- Introduction to Serverless Development - AWS
- Designing Blockchain Solutions using Amazon Managed Blockchain - AWS
- Advent of Cyber 2024 - TryHackMe
- Cyber Security 101 - TryHackMe
- Jr Penetration Tester - TryHackMe

EXTRACURRICULAR & LEADERSHIP ROLES

- Joint Secretary at RoboCET
- Event Head of Robo Olympics 2025
- Problem Setter for competitive programming contests, including DotSlash AlgoQuest, Hack and Crack, Reverse Coding, and more
- Speaker at workshops on Arduino, Golang, C programming, Microcontrollers, etc.
- Tech Team Member at AeroCET, CS Association, and CodeReCET
- Project Coordinator at IET

LANGUAGES

English - B2+, **Malayalam** - native, **Hindi** - B2, **Arabic** - B2