

Tanishq Agarwal

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EDUCATION

Jaypee University of Engineering and Technology

Bachelor of Technology in Computer Science Engineering — CGPA: 9.0

Guna, Madhya Pradesh, India

Sept. 2021 – Present

Tender Hearts School

Senior Secondary Education — Score: 93%

Lucknow, Uttar Pradesh, India

Aug. 2018 – May 2020

EXPERIENCE

Student Expert

Postman

July 2023 – Present

JUET, Madhya Pradesh

- Developed a RESTful API using Go and PostgreSQL to perform CRUD operations on stored data in a Postgres DB using JWT (JSON Web Tokens) to simulate a bank transaction API.

Student Intern Team Lead

IBM SkillsBuild @Edunet Foundation

Aug. 2022 – Oct. 2022

Remote

Cloud Development Intern

- Communicate with team manager to set up project wireframe and workflow.
- Develop and deploy an Attendance Management System on a cloud instance using AWS EC2.
- Develop UI and a web application using React.js and implement authentication using OAuth and GCP Authentication.

Community Founder and Lead

Golang Guna

July 2023 – Present

Guna, MP

- Developed a community of members all across Guna, Madhya Pradesh and started teaching about GoLang and its benefits to the software community.
- Organized college meetups in JUET to talk about upcoming trends in Go and how OpenSource is contributing to the development of Go.

PROJECTS

Dock-X | Python, Docker-SDK, Docker, CustomTkinter, Git

May 2023 – Present

- Developed a kiosk GUI application to monitor host system containers.
- UI Design Prototype Workflow in AdobeXD and Figma & implemented all features using CustomTkinter GUI Framework.
- Implemented Backend using Docker SDK in Python and Matplotlib for Data-Visualization.
- Used multithreading and subprocess generation for optimization of graph refresh rates up to 46.8%.

Zephyr API | Svelte, Go, Rapid API, TravisCI, Git, JWT

July 2023 – Present

- Started developing a Backend for the API endpoint written in Go to entertain incoming query requests.
- Deployed a CRUD operations program in Go to support API request methods: GET, POST, & PUT.
- Implemented continuous delivery using TravisCI to build the API server side program upon new a release on GitHub.

TECHNICAL SKILLS

Languages:	Go, C/C++, Python, SQL (MYSQL, Postgres), JavaScript, BASH, HTML/CSS, Java
Frameworks:	React, Node.js, CustomTkinter, Qt, Material-UI, FastAPI, RapidAPI
Dev Tools:	Git, Docker, TravisCI, Jenkins, AWS, Google Cloud Platform, VS Code, Jira, Visual Studio, Firebase
Libraries:	net, net/http, requests, Cobra, Viper, Docker SDK, NumPy, Matplotlib
Platforms:	LINUX, Web, Windows, Arduino, AWS, GCP, IBM Cloud
Soft Skills:	Leadership, Event Management, Writing, Public Speaking, Time Management

CERTIFICATIONS & CONTRIBUTIONS

Specialization in Google Go

Completed specialization in Go Programming of 3 courses including concurrent programming.

Coursera – UCI, Irvine

June – July 2023

Completed HacktoberFest, 2022

Merged 6 PRs and achieved all Badges

GitHub

October 2022

Runner Up @Galactic Hacks 2k23

Developed XeroMail- a CLI utility to check for a spam email, written in Go

JUET

Aug. 2018 – May 2020

VOLUNTEERING

Lead Developer @ TEDxJUET

Designed and implemented the website for the event using React.js

JUET

November – August 2023

Community Volunteer @ BotNet Club, 2021

Researched & developed tools for Cisco IOS to perform vulnerability scanning for Cisco Routers & APs.

JUET

Oct 2021 – July 2022

Community Volunteer @ PyData Guna 23

Researched on Matplotlib and its implementation of data heatmaps

JUET

June 2023 – Present