Sidharth Shambu

944.573.7949 | shambu@duck.com | shambu.bearblog.dev

EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY, TRICHY
B.Tech in Chemical Engineering with a Computer Science minor
2018 - 2022
CGPA: 8.27/10

LINKS

Github:// shambu2k
LinkedIn:// sidharth-shambu

SKILLS

Technologies
Java • Typescript
Go • Python • C++
ReactJs • VueJs • SvelteKit
NodeJs • ExpressJs • Flask
SQL • MongoDB • Kafka
Android • ActiveMQ

Tools
Git
Jetbrains IDEs
VS Code
Linux
Chrome Dev tools

CERTIFICATIONS

• Quantum Computing - IBM sponsored certification on Introduction to Quantum Computing.
• Blockchain – MOOC offered by University of Buffalo & The State University of New York.
• Data Structures & Algorithms in Python – NPTEL MOOC by IIT Madras.

EXTRA CURRICULAR

DELTA FORCE | Developer
Apr 2020 - May 2022 | NIT Trichy

• The programming club of NIT Trichy, we develop and maintain the institute's official website and handle other web related activities. Also rewrote the official institute website using Wagtail CMS.

EXPERIENCE

CASHFREE PAYMENTS | SDE - Fullstack
June 2022 – Present | Bangalore, India
- Integrated CARD payment method with Cybersource (VISA).
- Scaling subscription payments, accommodating rapid customer growth while ensuring system stability and reliability.
- Tech: Spring, Golang, Kafka, React, SvelteKit

NYMBLE | Full-Stack Intern
Aug 2021 – Nov 2021 | Remote

- Implementing a full stack web app from scratch to display logs and debug data from Julia - a cooking robot.
- Uses VueJs for the frontend and GraphQL, Nodejs, MongoDB for the backend.

GOOGLE SUMMER OF CODE | LibreCube
May 2021 – Aug 2021 | Remote

- Worked on implementing space communication protocols recommended by CCSDS which is to be used through different space-links.
- Implementated using Python - Project link here.

PROJECTS

PRAGYAN PREMIER LEAGUE | A cricket management event.
Mar 2021 – Apr 2021
- This is a cricket management event conducted annually, in which participants buy players, decide their strategy, and play against each other in algorithmically simulated matches.
- Has more than **1200+** participants every year. Tech stack used – React, Golang, MySQL. Worked with a team of 17.

TWITTER PYTHON BOT | Automate content posting
Oct 2020 - Nov 2020
- Automatically get content from various APIs and twitter accounts and shares it into your page.
- Currently being used at @NakshatraNITT - the astronomy and science club of our college.

ALCHEMY WEB APP | A web app for a department fest - Alchemy
July 2020 – present
- A web app for the national chemical engineering symposium of NIT Trichy - https://alchemy.nitt.edu. Alternate test build link here
- A user portal for students to register for events and workshops. **Currently has more than 4400 users.** Uses Nextjs for front-end, Express, MongoDB as backend.

GUARDIAN ANGELS | Women Safety App
Dec 2019
- It's an app like uber but not to call taxies, it sends SOS to nearest person in case of any emergency (with a custom hotword). Made in Java with Django and Flask as backend.
- Made for Pragyan Hackathon 2020.