

# Shubham Kumar

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## TECHNICAL SKILLS

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**Programming Language:** Python ◇ Javascript ◇ C/C++ ◇ Java

**Web Development:** HTML ◇ CSS ◇ Bootstrap ◇ Javascript ◇ ReactJS ◇ Node.js ◇ Django ◇ Express.js

**Database management:** SQL (MySQL, PostgreSQL) ◇ NoSQL (MongoDB, Cassandra)

**Miscellaneous:** Git ◇ Docker ◇ AWS ◇ GCP ◇ REST API ◇ Data Structures & Algorithms ◇

Object-Oriented Design ◇ Microservice Architecture ◇ Design Patterns ◇ Web Security

## PROFESSIONAL EXPERIENCE

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### Scale AI

San Francisco, California, United States (Remote)

Contract Employee via G2i

03/2024 - Present

- Fine tuning AI model to breakdown a request and build up a solution using RLHF technique.
- Evaluated the ability of large language models to call API tools like google\_maps and google\_search to answer user prompts.
- **Skills:** Python3, Pandas, Numpy, Matplotlib, scikit-learn

### Techstat dynamics pvt limited

Ludhiana, Punjab (Remote)

FreeLancer

11/2023 - 02/2024

- Created Microservices to monitor and place trades using a portal
- **Skills:** Python3, Django, websocket, PostgreSQL, ReactJS, Redis, Nodejs, Nginx, Docker

### Radisys Corporation

Bangalore, Karnataka

Senior Software Engineer, 5G Platform Team

07/2021 - 11/2023

- Debugging of core files of platform products generated in production.
- Created RHEL custom ISO 72% smaller then the original one.
- Added as a mandatory reviewer to platform repositories.
- **Skills:** Object Oriented Design, High level Design, Draw.io, RHEL, Docker

Software Engineer, 5G Platform Team

- Worked on Process Monitor and System monitor Applications.
- Worked on Tuxbuild - A build tool created to build all 5g apps and create release out of it.
- **Skills:** C/C++, Bash, Python, Linux, CentOS

### National Institute of Technology Karnataka

Surathkal, Karnataka

Research Scholar, Information Security

12/2020 - 12/2021

- Research on Network-level Mitigation of Mirai Malware in IoT.
- Spreading of Mirai malware in isolated environment to understand its nature.
- Implementation of solution and its testing in isolated environment against Mirai.
- **Skills:** Python, Flask, Mysql, Docker, C, Golang, React.js, IoT, DDoS attacks

### Think201

Bangalore, Karnataka (Remote)

Software Engineer Intern, Web Application Backend Team

09/2020 - 11/2020

- Actively involved in building backend of web application using Nodejs Technology.
- Created Model schema and API based on the requirements provided.
- **Skills:** Node.js, Typescript, PostgreSQL, MongoDB, Express, Swagger, Postman

## EDUCATION

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### National Institute of Technology Karnataka

Surathkal, Karnataka

M.Tech(Research) in Computer Science & Engineering - Information Security

08/2019 - 12/2022

### Lovely Professional University

Phagwara, Punjab

B.Tech in Computer Science & Engineering

09/2015 - 06/2019

## Misc.

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- Leetcode Profile: leetcode.com/sshubhamk1
- CTFtime profile: ctftime.org/user/76001