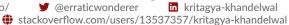
# KRITAGYA KHANDELWAL

#### Senior Software Engineer at Yubi | BTech CSE 2021 (IIIT Una)

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- Bengaluru, INDIA

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- @erraticwonderer
- in kritagya-khandelwal





### EXPERIENCE

#### Senior Software Engineer

#### Yubi

- July 2022 Present
- Bengaluru
- Mentoring and Building microservice from the ground up with Java, Springboot, Elasticsearch, MongoDB, Temporal, and Kafka. Implemented CQRS flow for the same and using GraphQL as API architecture.
- Optimized Homepage load time by 5x by introducing GraphQL and reactive/Async programming in the BE ultimately reducing network calls and latency.
- Constantly Introducing **Optimizations** in the Backend at Query, Index as well as Infra level.

#### Software Engineer

#### 314e Corporation

- **i** Jun 2021 July 2022
- Bengaluru
- Worked on Back-end(FastAPI) using python, Postgres for API Development and RabbitMQ for message queuing.
- Automated the Accessibility Validation on auto-built web-pages using DOM and CSSOM with python.
- Worked around the Authentication and Authorization part of product, Using **OAuth 2.0** and **RBAC** as respective strategies.

### Software Development - Intern

#### GrowthGear

- Dec 2020 May 2021
- Delhi
- Worked on ReactJS for frontend development
- Worked on socket.io for Real Time Communication.
- Developed server-side using Node.js, ExpressJS, mongoDB and **REST API.** Used **Redis** for caching and improved Backend API's Performance by reducing network calls and DB Interaction.

#### Summer Intern PLAY

#### **Destiny Design**

- **J**une 2020 Aug 2020
- Delhi
- Worked as a full-stack developer. Developed Facebook Instant Game from Scratch. Deployed backend webhook on AWS EC2 instance using apache server, openSSL and nodejs.
- Built Frontend using Javascript, JQuery, DOM with integrating Facebook Instant Games, Messanger APIs to the app, and made the app live for public users.

### MY LIFE PHILOSOPHY

A firm believer in self-written quote "Evolution is randomness seeking betterment" and therefore often found thinking about unprecedented possibilities.

## SKILLS

- C++ python Java javaScript
- Springboot Elasticsearch Kafka **Postgres** RabbitMQ mongoDB **FastAPI Express** nodejs React
- Linux AWS EC2 Docker
- DS & Algo ML and Al

# MOST PROUD OF

Got AIR 58

Amazon HackOn 2022

Got 391 rank Globally

Google Kickstart round C 2022

**Onsite Grand Finalist** Smart India Hackathon 2019

Secured 219 rank India

ACM ICPC 2018-19, Team: Vultures

State Level Winner Mental Maths Quiz 2013

## **EDUCATION**

#### B.Tech CSE 8.38 CGPA

**2017 - 2021** 

■ IIIT, Una

Grade 12 88%

**2017** 

RPVV, Delhi

Grade 10 80%

**2015** 

RPVV, Delhi

#### Software Intern SEE

#### **Bharti Airtel**

- **J**une 2019 July 2019
- Delhi
- Worked on RHEL physical servers. Automated the OS installation with the help of anaconda file, Mount point syncing between two servers for critical data backups.
- Apache Server installation in RHEL 7 server and hosting a web page.

## **PROJECTS**

#### **Artificial Evolution of Ant CODE DEMO**

# Artificial Intelligence | Machine Learning | python | blender | 3D modeling | Animation

- Built an Artificial 3-D Ecosystem for the artificial ant to thrive and evolve using **blender** and **python**.
- Built the Ant's Brain with the of Artificial Neural network and Genetic Algorithm.

# M.UNO - A multiplayer game CODE DEMO python | networking | TCP | pygame

Like the Uno game, multi-players can play simultaneously, implemented under the server-client architecture of networking using TCP protocol. Developed using the pygame module of python and multi-threading.

# TIMETABLE GENERATOR – An Automatic Timetable Generator CODE DEMO

# Django | Javascript | Web Assembly | Mysql | C++ | Web Development

It will help to manage all the periods automatically after maximum and minimum workload for a faculty for a day, week and month will be specified for the efficient generation of timetable.
It is a comprehensive timetable management solution for Colleges that help to overcome the challenges in manually setting the timetable.

# RCS UDAN – An Android App for domestic flight Reservation DEMO

#### Android | java | XML

 Project for Ministry of Civil Aviation in Smart India Hackathon 2019. That will provide transparency to the Ministry that the subsidy is provided to the passengers and ensures that the subsidy is given to the eligible passenger.

# DIGITAL HOSTEL - 3D Map DEMO

#### Graphics | Blender | UE4

 It's a simulation of hostel digitally used unreal engine 4 for level development, and blender for 3-D object development. Used images of actual objects(like doors, almirah) to make the materials for digital object.