

## ASIM ALI KHAN

<https://www.linkedin.com/in/asim~khan><https://d0t7.github.io/Portfolio>

## EDUCATION

## Lovely Professional University , India

Aug 2019 - Jul 2023

- **Major** : Computer Science Engineering , B.Tech ( GPA : 8.46)
- **Minor** : Machine Learning
- **Programming Coursework** : Algorithms & Data Structures, Computer Architecture , Networks, Operating Systems

## EMPLOYMENT

## Automation Engineer, Intern

## ConverseNow AI (Startup)

Aug 2022 - Aug 2023

## P.C.I Watchdog:

- Designed and developed P.C.I compliance tool.
- Created an algorithm to detect credit cards in logs utilizing techniques such as Luhn's algorithm and finite state machines.
- Automated CI/CD pipeline with GitHub Actions and deployed on Google Cloud as a Docker image.
- Leveraged knowledge in cyber security and automation, encompassing software design and architecture, proficiency in Git and GitHub, experience with GCP, Docker, and Kubernetes, and proficiency in programming with Python and Go.

## Menu Inspector:

- Designed and developed an internal CLI tool for comparing various menus and their different versions including menu functions, translations, translation rules, and items in the comparison.
- The tool functions as a fusion of "diff" and "git", tailored for menus.
- Leveraged knowledge in version control, CLIs, automation, encompassing software design and architecture, proficiency in Git and GitHub, and proficiency in programming with Python.

## Gollum:

- Implemented optimized Python APIs for customer-facing tools.
- Improved user experience by resolving bugs and enhancing overall performance.
- Leveraged knowledge in Python development, API optimization, and User Experience.

## Software Engineer, Intern

## HighRadius (Startup)

Jan 2022 - April 2022

## AI-Enabled Invoice Management Application:

- Created an AI-enabled invoice management system.
- Utilized React for the front-end and JDBC for back-end, connected to the front-end via Axios.
- Employed MySQL as the database management system.
- Incorporated an AI prediction model to forecast invoice clear dates.
- Leveraged knowledge in web development, database management, and AI integration.

## SOFTWARE PROJECTS

**Personal Website:** <https://d0t7.github.io/Portfolio/>

## RSA:

<https://github.com/D0T7/RSA>

- Implemented RSA encryption from scratch in various programming languages.
- Aims to gain a comprehensive understanding of both the languages and the RSA encryption algorithm.
- Utilized: Go, GitHub, Python and RSA.

## Age and Gender Prediction:

<https://github.com/D0T7/Age-and-Gender-Prediction>

- Developed a face detection system with age and gender prediction based on facial features.
- Utilized tools such as computer vision libraries, machine learning models, real-time processing, Open CV and Python.

## Face Detection and Recognition:

<https://github.com/D0T7/Face-Detection-and-Recognition>

- Developed a face detection and recognition system.
- Utilized tools such as computer vision libraries, machine learning models, Open CV and Python.

## CERTIFICATES AND AWARDS

- **Go Lang:** <https://www.udemy.com/certificate/UC-9fe13ce8-a726-4f31-8452-c9a6474f7a0e/>
- **Python:** <https://tinyurl.com/ycxk8mf4>
- **Data Structures and Algorithms:** <https://tinyurl.com/556tcc5p>
- **Complete Web Development:** <https://www.udemy.com/certificate/UC-426b7182-148e4e47-8391-820d7a19f3ce/>
- **Software Engineer:** <https://tinyurl.com/4mc9zuc7>
- **Problem Solving:** <https://tinyurl.com/2p9cbaj4>
- **English Proficiency:** <https://tinyurl.com/ykwcdk6w>

- **Stronger Together Award** : <https://tinyurl.com/34v6zptr>

ConverseNow AI

## SKILLS

C, C++, CockroachDB, Docker, Git, GitHub, Go, Google Cloud, Java, JavaScript, Jira, Kubernetes, Linux, Python, PostgreSQL, ReactJS, SQL, UNIX