

SHUBHAM TIWARI



EDUCATION

Thapar Institute of Engineering and Technology, Patiala
Bachelor of Engineering in Computer Science Engineering, GPA: 8.06/10
Shaheed K P S Inter College, Devaria Churamani, Gonda
Intermediate, Percentage: 87.2%

India
July 2019- July 2023
India
July 2016 – July 2018

WORK EXPERIENCE

Data Engineer



Python, Google Cloud Platform, SQL, Bigframe, Pandas, Jinja2

Sept. 2023 – Now

- Developed lower cost strategy by removing cloud Dataproc & cloud composer.
- 40 Lac files coming on daily basis and need to be transform and insert into BigQuery tables.
- Deployed Cloud Run services and tested with different load.
- Cost reduction by 70%.

PROJECT EXPERIENCE / OPEN SOURCE

Internship @Ericsson India Global Services

Python, Google cloud platform (GCP), Big Query & other GCP services, SQL,

Jan. 2023 – Jul. 2023

- Problem area overspending, lack of automation and security and compliances.
- Proof of concept for a **lightweight data ingestion and aggregation pipeline**.
- Designed solution for automation that can reduce cost, time, efforts, and other resources. And can predict service degradation in advance.
- Have MNC work culture experience, teamwork, professionalism, solved real-time problems, gained debugging skill.

DURI – Digital Universal Remote Interface



Python, Computer vision, Nvidia Jetson Nano kit, MediaPipe, PyQt5, Autopy

March 2022 – July 2022

Research Paper + PATENT

- Innovated an AI based software for public computers using that people can interact with computer by their fingers before the camera with the **accuracy of 98%**.
- Objective is to prevent from spreading **COVID-19 like diseases** by avoiding touching the same **public computer (i.e. ATMs)** by people.
- Proposed interface for controlling robots and **Reduces 90% manufacturing cost of mouse and keyboard**.

Lakhan Mitra: Book to eBook



Python, OpenCV, Tesseract OCR, PyQt5, Django, HTML, CSS

Nov. 2021 – July. 2022

- Created a solution for people **to make eBooks from the hard copy of books** of any language e.g., Tamil, Telugu, Urdu, Sanskrit, etc.
- Scan the book it will convert into an eBook for people. **Save 90% time in typing** Only need is formatting.
- Monitored **more than 100 languages** are supported to preserve book's literary value.2

TECHNICAL SKILL

Programming Languages:

Python, C, C++, PHP *Familiar with* Scala, R(Basic), Dart, JavaScript, C#

Databases:

MySQL, PostgreSQL, SQLite3 *Familiar with* PL/SQL (Procedural Language)

Libraries/Framework:

Pandas, NumPy, Seaborn, Matplotlib, MediaPipe, OpenCV, Scikit-Learn, TensorFlow, Big Query

Frontend

HTML, CSS, Bootstrap

Backend

Flask, Django, PHP

Data Structures and Algorithm

Solved 150+ questions on Leetcode and 100+ questions on Geeksforgeeks.

Competitive Programming/Problem Solving

5* on *HackerRank* and 3* on *Codechef*

Basic familiarity of tools

GIT, Gerrit, DBeaver, Azure, AWS, Linux, Maya2020, Docker,

POSITION OF RESPONSIBILITIES/EXTRA CURRICULAR ACTIVITIES

- Rotaract Club of TIET | Marketing head** (2020-2022).
- Mathematics Teacher** of class 9th-12th @ Unique Academy 1.5+ years' experience (March 2020 – Sept. 2021).
- Voluntarily organized art & singing competitions** in the rural area and **motivated students** toward science and education.
- Part-time video content creators to help the people. More than 1 Million+ views.

HONOR & AWARDS

- Ranked 242** among 25000+ coders **globally** in Codechef august long challenge 2021.
- 1st Marketing head** of Rotaract Club of TIET.
- Got **1st position in District** in class 12th- **Awarded by District Magistrate**.
- Led most college projects and managed up to **7-member teams**

CERTIFICATIONS

| | | |
|---|------------|----------------------|
| Getting started with AI on jetson nano | Nvidia | link |
| Fundamental of Accelerated Computing with Cuda Python | Nvidia | link |
| Google cloud digital leader certification | Udemy | link |
| Problem Solving (Intermediate) | HackerRank | link |
| Python | HackerRank | link |
| Learn Ethical Hacking from Scratch by Zaid Sabih | Udemy | link |

- 1. Current Company:** Ericsson India Global Services
- 2. Location:** Noida, India
- 3. Contact Number:** 7800301721
- 4. Total Exp.:** 2+ year in python, 1+ year in cloud(GCP)
- 5. Relevant Exp.:** Python, Django, Flask, SDLC, Cloud platform
- 6. Current CTC:** 8.25 LPA
- 7. Expected CTC:** 14.5 LPA
- 8. Highest Qualification:** B.E. (COSE)
- 9. Notice Period:** 1 month
- 10. Reason for Job change:** Looking for better utilization of my skills, professional growth
- 11. Have you ever been interviewed with us in last 6 months (Yes/No):** No