**SHUBHAM TIWARI**

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| **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, GCP, Apache Beam, SQL, Bigframe, Pandas, PostgresSQL**  Sept. 2023 – Now | | |
| * Developed lower cost strategy by removing cloud Dataproc & cloud composer. * 6.4 million files coming on daily basis and need to be transform and ingest into BigQuery tables. * Performed different POC with cloud run, cloud function, dataproc and dataflow * Saving 30% cost ~$150K pa by implementing an optimal and efficient solution. Performed production load testing. | | | | | | | |
| **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**  **Research Paper + PATENT** | |  | | | **Python, Computer vision, Nvidia Jetson Nano kit, MediaPipe, PyQt5, Autopy**  March 2022 – July 2022 | | | |
| * 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:** | | | | BigQuery, 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 | | | | | |
| **Automation** | | | | Developed multiple automation for testing, analysing the data pipeline(CI-CD) | | | | | |
| **Competitive Programming/Problem Solving** | | | | 5\* on [***HackerRank***](https://www.hackerrank.com/to_shubham79051) and 3\* on [***Codechef***](https://www.codechef.com/users/shubham7821) | | | | | |
| **Basic familiarity of tools** | | | | GIT, Gerrit, DBeaver, Azure, AWS, Linux, Docker, container | | | | | |
| **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](https://courses.nvidia.com/certificates/60de781bc6584e8db56c6e4fcdf778f6/) |
| Fundamental of Accelerated Computing with Cuda Python | | | Nvidia | | | [link](https://courses.nvidia.com/certificates/b1cf2e3fa52c48efa3aae7b189105589/) |
| Google cloud digital leader certification | | | Udemy | | | [link](https://ude.my/UC-14847d26-b14b-469d-8fa5-6c198436b1b2) |
| Problem Solving (Intermediate) | | | HackerRank | | | [link](https://www.hackerrank.com/certificates/55af60d4b3d7) |
| Python | | | HackerRank | | | [link](https://www.hackerrank.com/certificates/5289b30f0c23) |
| Learn Ethical Hacking from Scratch by Zaid Sabih | | | Udemy | | | [link](https://www.udemy.com/certificate/UC-0583c731-cda1-48c5-b7ec-525c90aadf11/) |

**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

This role give me exposure to utilize my skills may be in a better way. And I can challenge my self by solving new challenges which is thrown by team by utilizing new way of thought process.

My skills and your requirement is good match to contribute my experiences in your company.

Academic -

+ 8.02/10 GPA in B.E. in Computer Science Engineering.

+ Research Paper + PATENT: DURI – Digital Universal Remote Interface

+ District topper in class 12th.

Non-Academic:

+ Good cricket, chess, basket ball player

+ Consultation regarding personal life & corporate life

+ Writer, Composer