

# SHAHNWAJ AHMAD

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## Career objective

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I want to secure a responsible career opportunity to fully utilize my training and skills, while making a significant contribution to the success of the organization/company.

## summary

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- Result-oriented, self-motivated, skilled in software design and architect
- Strong problem-solving and learning ability
- Flexible to work in multitask and multidisciplinary environment

## Skills summary

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- Experienced in Golang, python, and C/C++,
- Proficient in writing low-level device drivers and firmware development for linux environment
- Proficient in writing low-level device drivers for AV devices
- Proficient in Data analytics and Data visualization(Google tools & technologies like plx, google SQL , )
- Able to use c/c++, python and go
- Experienced in using debugger tools to debug large, complex system software.
- Capable of modeling system and software architecture in UML diagrams

## Work Experience

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3.5-years' experience in developing software.

### Software engineer at HCLTech Sep 2021- Present

- Led the effort in identifying the root cause, assisting implementation and verifying the solutions for multiple high-impact bugs
- Took full ownership of diagnosing the test failures, diving into code base to understand the implementation, and driving the closures of bugs even they are outside of my expertise
- Worked with multiple teams to triage the bugs, and find the right bug owner.

### Intern at Jspiders/Qspiders Dec 2020- Jul 2021

Learned technologies like Java, SQL, HTML & CSS, DBMS, SDLC etc.

## Education

Maulana Azad National Urdu University, Hyderabad  
Total obtained percentage: (81.8%)

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## Skills

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**SkillsTechnical :** Golang Developer, Python Developer, SQL, Linux Shell Script, SQL, GCP, BigQueryData Analytics, Data Engineering, Machine learning, scikit-learn, Data visualization, Data structure and algorithm.

**Technical Interests:** Developer, Google Cloud Platform, Data Engineering, Data Analytics.

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## Certifications

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**Certification 1:** Google Cloud Certified **Professional Data Engineer**

(Cloud Applications, Cloud Computing, Data Engineering, Data pipelines, Data streaming, Data Warehousing,Databases, Google BigQuery, Big data, Google Cloud Platform(GCP), SQL)

**Certification 2:** Google Cloud Certified **Professional Cloud Architect**

**Technical Interests:** Developer, Data Engineering, Data Analytics.

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## Project

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### **Project #1 : AV Device Driver**

Development of device driver code for maintenance of AV devices. Write and Updating the code and integration based on client requirements. Writing the code in go language to connect to the devices hosted on remote locations. Maintenance of the code on a regular basis to overcome the issues.

### **Project #2 : Skylight**

Website designing,Regular health checkup for events(like WiFi, labeling, geofence) dataflow, Connecting with participants for resolving the issue to get the data regularly, sending regular follow up reminders on emails and chat , working with the shipping team to ship and return the devices, meeting with the engineering team to resolve the pipeline issue and Creating the summary dashboard for overall collected events/data, doing data analytics .

### **Project #3 : Berlin**

Description: The objective of Project Berlin is to collect video & audio data from a large demographic to evaluate accuracy and performance of intelligence features of smart cameras. Historically AI has been trained with

predominantly middle age, caucasian, male identities. Our research focuses on collecting data from a diverse demographic panel to discover and correct any existing bias in today's technology.

Responsibilities: Writing SQL script to automate the data flow, Designing and developing the Dashboards and Reports. Writing PLX scripts to generate PLX tables.

### **Project #4 : Glass Break**

Description: An audio clip data collection program where the sound of "breaking glasses" of various thicknesses, sizes is recorded against different floor types using 4 microphones and a couple of reflector panels positioned at varying distances.

Responsibilities: Designing and developing the Dashboards and Reports. Writing PLX scripts to generate PLX tables.

### **Project #5 : Google Workspace Code Sample Cleanup**

Description: Objective of the Project is to parse the data in structured format to store the data in the form of rows and columns. We processed all the documents like invoice, receipt, bills etc.

Responsibilities: Parsing the invoices, receipts, bills etc using docAI tool. This tool Human-in-the-Loop (HITL) enables human verification and corrections to ensure accuracy of data extracted by Document AI processors before it is used in critical business applications.

**UNIVERSITY HEALTH CARE SYSTEM:** The primary objective of the “University Health Care” system is to digitize patient records and other health center information to make data retrieval easy and efficient.

## Interests & Hobbies

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Football, movies, Photography, Cricket

## Personal Details

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DOB: 11-May-1999

Gender: Male

Languages known : English, Urdu, Hindi.