**Mahesh Kumar**

**PROFESSIONAL SUMMARY**

Organized and dependable candidate successful at managing multiple priorities with a positive attitude. Willingness to take on added responsibilities to meet team goals.

**WORK HISTORY**

**Google Cloud – Google Cloud Arcade Facilitator**

*05/2023 – 08/2023*

* Managing Virtual Machines on cloud, SMB Workloads and Optimizing Storage Usage.
* Operating on CLI's, Creating Storage Buckets, Insights from Data with BigQuery, Exploring Data with Looker, Integrating Machine Learning APIs.

**DevTown – Campus Ambassador**

*Delhi Ncr, India*

*06/2022 – 07/2022*

* Promoting the organization, its vision, values, and services among fellow students on the campus.
* Organizing and promoting events, workshops, seminars, webinars, and social gatherings

**PROJECTS**

**Autonomous Vehicle Localization and Navigation (Simulink, Unreal Engine) |** *MatLab, C++ (July 2023 - Present)*

* Leading the creation of a dynamic simulation scenario and incorporating lidar, INS, and camera sensors and vehicle navigation system integrating Unreal Engine's simulator.
* Developed algorithms for real-time traffic light recognition and decision-making planners.
* Demonstrated significant advancements in autonomous vehicle navigation, contributing to the evolution of self-driving technology.
* **Skills:** Simulink Stateflow Unreal Engine

**GENDER RECOGNITION USING VOICE (GUI) |** *Python, R (Aug 2022 - Present)*

* Developed a gender recognition system using voice as the primary input.
* Trained the system using a large dataset of male and female voice samples to improve accuracy.
* **Ver. 2.0.**: Implemented A.I. to increase the dataset on every use and Build a GUI for the programme and published it into a software **(VoiceGenix).**
* **Skills:** Machine Learning Data Collection Data Analysis Research and Analysis
* **Link: *https://github.com/krmahi/Gender-recognition-using-voice-GUI***

**2D Ray Tracing |** *Html, Css, Js (Jun 2022)*

* Implemented ray casting to simulate the behaviour of light rays, determining which objects are visible and where shadows fall.
* Used vector math to calculate ray-object intersections and determine the direction of reflected rays,
* **Link: *https://github.com/krmahi/2d\_ray\_casting***

**Volume Control Using Hand Gestures |** *Python (Aug 2021)*

* Developed a volume control system using hand gesture and recognition technology.
* users can simply wave their hand to increase or decrease the volume without having to physically touch any buttons or knobs.
* **Skills:** *OpenCV ComputerVision*
* **Link: *https://github.com/krmahi/Volume-control-using-hand-gestures***

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**WEBSITES, PROFILES**

* **LinkedIn: *https://www.linkedin.com/in/mahikr***
* **GitHub:** ***https://github.com/krmahi***
* **Unstop: *https://unstop.com/u/mahi\_kr\_\_***

**SKILLS**

* C++ Proficiency
* Python
* FRONTEND WEB APPLICATIONS
* R (worked with)
* MYSQL
* Machine Learning
* Git Proficiency
* Artificial Intelligence
* Cloud Computing
* API Integration
* Problem Solving
* Amazon Web Services

**EDUCATION**

*Expected in 07/2024*

**G.L. Bajaj Institute of Technology And Management**

Delhi NCR

**Bachelor of Technology**: Computer Science

And Engineering

* **8.26** *CGPA*

*03/2020*

**Army Public School**

Prayagraj, India

**Intermediate**

* Final Grade: **89%**
* Completed Coursework: **Science and**

**Maths**

**CERTIFICATIONS**

* Certified C++ | Coding Ninja
* Clearance to 2nd round of Times Spark | Times of India
* Data Structures and Algorithms in Python | Google
* Cloud Architecture and Fundamentals | AWS Academy
* Microsoft learn Student Ambassador
* Google developer Student Club
* Problem Solving | HackerRank
* Unstop Competition Certifications
* Data Science | Infosys