**Mahesh Kumar**

**Portfolio:** [***https://krmahi.github.io/portfolio-bento-ui***](https://krmahi.github.io/portfolio-bento-ui)

**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 – 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.

**Social (script foundation) – Social summer of code season 2 (ssoc)**

*05/2023 – 07/2023*

* Actively contributed to the development of an open-source project during SSOC
* comprehensive proficiency in Git for version control, ensuring seamless collaboration and efficient project management.

**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

**Personal Portfolio |** *Figma, Html, Css, Js (Dec 2023 - Present)*

* Designed and deployed a dynamic React portfolio with a Bento-style UI, showcasing skills, projects, and achievements through a clean and organized layout for a modern and scalable web presence.
* **Skills:**Typescript, React, Sass / Scss, Gsap
* **Link:** [***https://krmahi.github.io/portfolio-bento-ui***](https://krmahi.github.io/portfolio-bento-ui)

**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***](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***

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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\_\_***](https://unstop.com/u/mahi_kr__)
* **Figma:** [***https://www.figma.com/@mahi3***](https://www.figma.com/@mahi3)

**SKILLS**

* C++ Proficiency
* Python
* Frontend Frameworks
* ReactJS, React Native
* MYSQL / NOSQL
* Machine Learning
* Git Proficiency
* Artificial Intelligence
* Cloud Computing
* API Integration
* Problem Solving
* Amazon Web Services (AWS)

**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
* Data Science | Infosys