Mahesh Kumar

Portfolio: *https://krmahi.github.io/portfolio-bento-ui*

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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*

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*

WEBSITES, PROFILES

- **LinkedIn:** *https://www.linkedin.com/in/mahikr*
- **GitHub:** *https://github.com/krmahi*
- **Unstop:** *https://unstop.com/u/mahi_kr__*
- **Figma:** *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