

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