Mahesh Kumar

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

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PROFESSIONAL SUMMARY

Been successful at managing multiple priorities with a cheerful outlook. Willing to take on added responsibilities to meet team goals.

WORK HISTORY

Trustedwear Tech – Software Developer Intern
Delhi Ncr, India
02/2024 – 04/2024

- Contributed to cross-platform mobile and smartwatch app development using Kotlin, Swift, and React Native (Expo & CLI).
- Designed and implemented intuitive UI/UX interfaces with Squareline Studio and LVGL.
- Tackled UI rendering challenges and optimized responsiveness for smartwatch interfaces under resource constraints.

AWS – Cloud Architecture Intern
09/2023 – 11/2023

- Managed cloud VMs, SMB workloads, and optimized storage using CLI and bucket configurations.
- Used BigQuery and Looker to extract insights and visualize data; integrated ML APIs for smarter workflows.
- Improved poisoned data extraction by 20% in the capstone project, enhancing data processing accuracy.

PROJECTS

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

- Led development of dynamic simulation scenario integrating lidar, INS, camera sensors, and vehicle navigation in 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

SecondLife – Cross Platform App | *React Native, Expo-cli (Apr 2024 – June 2024)*

- Developed a React Native (expoGo) app for easy online buying and selling of used items with seamless backend using NodeJs.
- Implemented animations, smooth user authentication, and image caching using AsyncCache for enhanced user experience.
- Utilized custom hooks, form validation, push notifications for seamless navigation and routed various props for various custom components.
- **Skills:** ReactNative Expo-Cli Js SecureStorage JwtTokens apiSauce NodeJs
- **Link:** *https://github.com/krmahi/SecondLife*

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

- Designed and deployed a dynamic React portfolio with a Bento-style UI, highlighting 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 – Jan 2024)*

- Developed a Gender Recognition System comparing different ML Algorithms for different Voice Samples.
- Trained the system using a large dataset of male and female voice.
- **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*

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, C++ Proficiency
- Python
- Frontend Frameworks, JavaScript
- ReactJS, React Native, Expo-cli
- MYSQL / NOSQL (MongoDB)
- Machine Learning
- Git Proficiency
- Artificial Intelligence
- Cloud Computing (AWS & Google Cloud)
- RESTful API
- Problem Solving

EDUCATION

11/2020 - 07/2024
G.L. Bajaj Institute of Technology and Management | Delhi NCR, India
Bachelor of Technology: Computer Science And Engineering
- **8.23** *CGPA*

04/2019 - 03/2020
Army Public School | India
Intermediate
- Final Grade: **89%**
- Completed Coursework: **Science and Maths**

04/2017 - 03/2018
Army Public School | India
High School
- Final Grade: **87.83%**

CERTIFICATIONS

- Certified C++ | Coding Ninja
- Clearance to 2nd round of Times Spark | Times of India
- Data Structures and Algorithms in Python | Google
- Google Cloud Arcade Facilitator | Google Cloud
- Cloud Architecture and Fundamentals | AWS Academy
- Problem Solving | HackerRank
- Data Science | Infosys
- Ssoc (social summer of code) season 2