HARSH MEHTA

Software Engineer | EVLOS

@ hdmehta406@gmail.com   in **Harsh Mehta**   **harsh-2O**   ☎ +91 9725682374

EXPERIENCE

Software Engineer
SEARCE Inc - Application Modernization

📅 Jan 2024 – Present   📍 Pune

- Driving **pre-sales efforts** for an **employee-project-revenue tracking tool**, preparing client decks and contributing to **solutioning discussions**, with an expected revenue impact of **$600,000**. Additionally, mentoring a **team of 3 new hires** on a **news article collaboration tool**.
- Developed a **React Native FSM application** for a telecom enterprise, optimizing **workforce management** for **2,400+ technicians** and automating service operations.
- Designed and implemented a **Cloud Monitoring (Cloud Mon) solution**, enabling **real-time observability**, **anomaly detection**, and **automated alerting**, reducing **incident response time from 2 hours to a few minutes** and minimizing **downtime from 3-4 hours to 1-2 hours**.
- Automated workflows with **Google Apps Script**, streamlining certification tracking for **1,500+ employees** and reducing manual overhead. Collaborated with **cross-functional teams** to drive cloud adoption.

Data Science Intern
AMNS India

📅 May – July, 2023   📍 Surat

- Developed interactive **Tableau dashboards** and processed **SAP datasets**, enabling data-driven decision-making.
- Implemented **OCR** and **NLP techniques** to automate **KYC verification**, reducing **processing time** by **60%** from several days to few minutes for **100 cheques** across **40+ global banks**.

Research Intern
IIIT Hyderabad - Statistical Data Analysis

📅 May – July, 2022   📍 Hyderabad

- Collaborated with Professor Anbumani Subramanian, a **Google-recognized scholar & Principal Engineer at Intel**, on an **Indian government-funded project** aimed at improving road safety.
- Analyzed traffic data using **H3 and KeplerGl**, deriving insights to optimize traffic flow and reduce accident-prone zones.
- Built machine learning datasets for **automated ABS systems**, enabling predictive accident prevention and reducing accident risks by **up to 60%**.

PROJECTS

APE (Audio Personality Emulator)
Natural Language Processing & Generative ML Model

- Developing a voice emulation system using **Random Forest Regression** to predict audio sequences, with plans for **GAN** integration for *realistic voice synthesis*.
- Worked on **MFCC feature extraction**, data preprocessing, and initial model training, showcasing expertise in machine learning pipelines and audio processing.
- Aiming to enable users to set *personalized voice profiles* for devices like Alexa or Siri, addressing the demand for custom AI-driven solutions.

EDUCATION

B.Tech. in Computer Science & Engineering
Indian Institute of Information Technology Vadodara

📅 Dec 2020 – July 2024   📍 Gandhinagar, India

CGPA: 8.37/10

HONORS/AWARDS

- Secured **2nd place** among **735 teams** with over **1,500 participants** in a prestigious competition at **IIM Bangalore**.
- Secured **2nd place** in the **IMPACT Hackathon**, competing against **1,200 participants**, for developing an innovative solution aimed at assisting visually impaired individuals.
- Led a 5-member team to successfully deliver multiple in-house projects, ensuring timely execution and quality outcomes.
- Completed 350+ challenges on **GeeksforGeeks**, and maintained a streak of 365+ days on **LeetCode**.

SKILLS

- **Languages:** C/C++, Python, JavaScript, TypeScript, Dart
- **Frameworks:** ReactJs, React Native (EXPO), NodeJs, Flutter, NextJs
- **Databases:** MySQL, MongoDB, Firebase
- **Cloud:** AWS (EC2, IoT), Google Cloud Platform

COURSE WORK

Credit Courses
- **Core CS Foundations:**
  - Design and Analysis of Algorithms
  - Object-Oriented Programming using JAVA
  - Database management systems
  - Operating Systems
  - Software Engineering
- **Advanced Concepts:**
  - Cryptography
  - Artificial Intelligence

Professional Certifications
- Google Cloud Digital Leader
- Google Associate Cloud Engineer