Saif Lakhani

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EDUCATION

University of California, Davis   **September, 2023**
MS, Computer Science   *Davis, CA*
- Relevant Coursework: Distributed Systems, Computer Security, Algorithms

International Institute of Information Technology   **August, 2019**
BE, Computer Engineering   *Pune, India*
- Coursework: Object Oriented Programming · Data Structures & Algorithms · Operating Systems · Computer Architecture & Organization · Network Security · Penetration Testing · Machine Learning & AI
- Organised various workshops such as Android Programming and ethical hacking
- Won 14 inter-college coding competitions.

WORK EXPERIENCE

Software Engineer and IoT Architect   **May 2018 – June 2021**
QuicSolv Technologies   *Pune, India*
- Lead designer and creator of the ISAE framework on the Bluetooth mesh architecture. Using low power nodes and relays, to track and trace assets through massive areas without internet coverage.
- Technologies: Python, Java, ML- Classification algorithms.
- Increased Siemens & Atlas Copco's manufacturing productivity up to 20% by tracking more than 3,000 assets and providing insights into delays.

iBeacon and Android Developer   **Dec 2017 – May 2018**
QuicSolv Technologies   *Pune, India*
- Devised a way to use location tri-lateration at the edge, by forming a network of nodes and a routing map for indoor navigation within a mall.
- Technologies: Embedded C, tinyML
- Currently used in R-City Mall in Mumbai, with over 10,000 installs.

SIGNIFICANT PROJECTS

PHIN: Crop Health Monitoring

Gold Prize: Sensor Hackathon   **Bangkok, Thailand**
Created a prototype for crop health monitoring using drone cameras within a timespan of 24 hours with a team of 3. The algorithm was shown images of healthy & unhealthy crops and used a decision tree.

GECKO: Driver rating for insurance companies

Daimler-Mercedes Vigyaan Hackathon   **Chennai, India**
GECKO analyses data from a car's On-board diagnostic systems, and sends this data over Bluetooth to a connected phone, every second. This data is then aggregated and compared against known driving styles to rate driver safety, on a scale of 10.

FloatJot : Augmented reality social networking

Winner, E-Zest Microsoft Hackathon   **Pune, India**
Winner among more than 150 teams participating to provide a prototype for the best social network application built using Augmented Reality. Awarded due to its uniqueness and business feasibility of implementation. Team of 2. Prize money USD 1400

SKILLS

- Python • AWS deployments with EC2 & S3 • Classification and clustering algorithms • Machine Learning
- Data Analysis of high velocity data • Advanced Java • Google Certified Android Developer • C++ • CI / CD
- Docker • MongoDB • MySQL • Git • REST APIs & Backend NodeJS • JavaScript • Augmented Reality (AR)

ACHIEVEMENTS

- Delegate at the HPAIR Harvard conference 2019   **Boston, MA**
- Patent Pending at IP India: System for Configuring Plurality of Nodes   **Mumbai, India**
- Runner up at the TomTom India Hackathon: Augmented Reality Competition   **Pune, India**
- Research Publication: G.E.C.K.O: Journal of Emerging Technologies   **Chennai, India**