

Saif Lakhani

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WORK EXPERIENCE

Software Engineer - I (Internship)

Jun 2022 - Sep 2022

Amazon

Seattle, WA

- SDE Intern at FFS (Frustration Free Setup) for Alexa, for onboarding B2B clients.
- Experience with internal AWS Lambda development as well as a React-JS based frontend using proprietary frameworks.
- Experience with API Gateways, storage (S3), CLI, ECS, Redshift and many other AWS services.
- Deployed an application for Amazon B2B clients to production.

IoT Architect and Software Engineer

Dec 2017 – May 2021

QuicSolv Technologies

Pune, India

- Lead developer on Remolin: A WebRTC based framework for video-conferencing currently being used by Fortune 500 insurance companies for KYC (know-your-customer)
- 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, Machine Learning- Classification algorithms. Patent No. 6395 at IP India: pending
- Increased Siemens & Atlas Copco's manufacturing productivity up to 20% by tracking more than 3,000 assets and providing insights into delays.

EDUCATION

University of California, Davis

September, 2023

MS, Computer Science

Davis, CA

- Relevant Coursework: Distributed Systems, Computer Security, Algorithms, Computer Architecture, Machine Learning, Entrepreneurship and Operating Systems.
- Master's Project in Augmented Reality using Quadcopters

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.

SIGNIFICANT PROJECTS

PHIN: Crop Health Monitoring

Bangkok, Thailand

Gold Prize: Sensor Hackathon

Created a technological prototype for crop health monitoring using drone cameras within a timespan of 24 hours. The algorithm was shown images of healthy as well as unhealthy crops and a decision tree. Team of 3.

GECKO: Driver rating for insurance companies

Chennai, India

Daimler-Mercedes Vigyaan Hackathon

Also my senior year project, GECKO takes 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 the driver as safe or unsafe, on a scale of 10

FloatJot : Augmented reality social networking

Pune, India

Winner, E-Zest Microsoft Hackathon

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 • Classification and clustering algorithms • Machine Learning • Data Analysis of high velocity data • Advanced Java • Google Certified Android Developer • Intermediate to advanced C++ • C / CD • Docker • MongoDB • MySQL • Git • Web Backend with NodeJS • JavaScript