Ronak Sakhuja

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EDUCATION

- **Humber College** — Toronto, Canada
  Web Design and Development Certificate Course — *Sept. 2021 – present*
- **Delhi Technological University** — Delhi, India
  Bachelor of Technology in Computer Science; (8.71/10.0) — *Aug. 2016 – June. 2020*

EXPERIENCE

- **Microsoft IDC** — Hyderabad, India
  Software Engineer — *June 2020 - Present*
  - **Open Energy Platform**: The OEP-OSDU is an industry forum that enables the Energy industry to collaborate on the development of transformational technology to support the world's changing and evolving Energy needs.
    - Building Azure OEP PaaS to enable Oil and Gas companies to use OSDU on Azure. Tech Stack : Sprint Boot, kubernetes and docker
    - Improved resiliency of microservices to handle failures across other services and infrastructure resources by using circuitbreakers, retries, timeouts and identifying and mitigating single points of failures.
    - Designed,built and integrated CI/CD pipelines for build test and release of nightly builds to dev test and prod environments.
  - **Dynamics 365**: Microsoft Dynamics 365 is a cloud-based business applications platform that combines components of CRM and ERP with AI capabilities.
    - Analysed, identified and fixed issues with SLA Migration feature for 94% customers before launch through proactive monitoring of logs.
    - Built integrated test mechanism for SLA Migration and automated it with build pipeline.
- **Microsoft** — Bangalore, India
  Software Engineering Intern — *May 2019 - July 2019*
  - **Omnichannel Migration Framework**: Developed a framework used by PMs, to setup their Omnichannel configurations automatically, copying data,users and configurations from one CRM instance to another.
    This automation reduced a PM's work from 10 hours to 10 minutes to setup an environment.

PROJECTS (URL)

- **GeekAssistant (Deprecated)**: Developed a chrome plugin and a web portal to track their progress on geeksforgeeks.org,leetcode,codechef and codeforces with a 1000+ user base.
  - It provides a common portal to track your progress on different coding websites. Users have option to mark bookmark a question, set a difficulty and write notes.

- **DTU Farewell**: We were the 1st batch of the pandemic, and needed an online farewell.
  - Created a portal for 3000 students of our batch to login and post scribbles on each other's profiles, give them a title, like posts, post a photo on a photowall.
  - Userbase : 2000+, Techstack : PHP(codeigniter),js,bootstrap

- **Sarcar**: Android Application for Smart Vehicles, Intuited a way for vehicles to interact with each other by the concept of cognitive radio.Predictions of next location was made using LSTM to predict accidents.
  - Tech Stack : Android(Java, XML) and Firebase for backend, Python for Machine Learning.

ACHIEVEMENTS

- **Winner at Hack The North, University of Waterloo**: Made a real time bidding system for advertisements based on Azure Cognitive Services
- **1st Prize : Smart India Hackathon 2016**: World's biggest hackathon hosted by Government of India. Developed Android App for navigation of blind people using Camera stereo-vision.
- **Microsoft Asia Summit 2019**: Selected among top 20 students out of 1500 across Asia Pacific Region for Microsoft Asia Summit 2019and the Ignite Tour, Sydney fully sponsored by Microsoft.
- **2nd Prize, Microsoft MSHack**: Won prioritized entry at Imagine Cup hosted by Microsoft.
- **1st Prize at Clash Hacks**: Android Application for a teacher to analyse classroom in real time using Azure cognitive API

PUBLICATIONS

- **Object Detection in Foggy Conditions by Fusion of Saliency Map and YOLO**: Ronak Sakhuja, Sarthak Katyal, Sanjay Kumar, and Samarth Gupta "Object Detection in Foggy Conditions by Fusion of Saliency Map and YOLO" paper presented in Twelfth International Conference on Sensing Technology at University of Limerick, Ireland, ISBN :978-1-5386-5147-6/18 © 2018 IEEE