

Amer Kumar Tanwani

A hacker, hustler, and a bit of hipster with a deep love of technology, entrepreneurial work ethic and go get attitude with an interest in Blockchain, Server Side technologies, and Computer Science in general. Currently pursuing a master's at UVic and working as a Software Engineer part-time supporting Genesys PureEngage Migration for one of the Afiniti's biggest client in the US telecom sector.

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WORK EXPERIENCE

Software Engineer (Part time Contractor)

Afiniti Canada Inc. (afiniti.com) [↗](#)

01/2022 - Present

Victoria, Canada

Afiniti helps telephony companies to have incremental revenue by optimizing the call center operations using its patented Pairing AI technology.

Achievements/Tasks

- Supported Afiniti AI Solution migration by utilizing deployment experience in the Genesys Telephony environment.
- Automated regular manual processes by developing python scripts.
- Ensured maximum uptime and SLA by troubleshooting the issues and proactively working with relevant different teams to ensure timely fix of issues.

Software Engineer

Afiniti Software Solutions Pvt. Ltd. (afiniti.com) [↗](#)

01/2020 - 12/2021

Karachi, PK

Achievements/Tasks

- Supported and Involved Independently in end-to-end Afiniti AI Solution Deployment in client telephony environments of Genesys which includes technical discovery, integration design, user acceptance testing and tier - 2 support for European Clients.
- Identified new feature requirements specific to the product and highlight risks related to an implementation project.
- Installed & Configured various Genesys framework components. Trained new hires and designed curriculum for their onboarding.

Director Technical

MapIn Navigations Co. (mapin.app) [↗](#)

09/2018 - 11/2019

Karachi, PK

Founded MapIn, a company specializing in indoor navigation and mapping.

Achievements/Tasks

- Acquired sales skills to sell to the clients effectively. Keep them connected using every channel from cold calling, cold emailing and deals closing. Deployed and managed a CRM for effective business operations.
- Designed and developed multiple android applications serving different purposes from data collection to wayfinding with a backend in Java and Serverless Architecture which was built to scale.

EDUCATION

MEng in Electrical and Computer Engineering

University of Victoria [↗](#)

01/2022 - Present

Victoria, Canada

Courses

- Blockchain & Applications
- High Performance and Efficient Programming Practices Using C++
- Advanced Network Security
- Algorithms and Data Models

BSc in Computer Engineering

Ghulam Ishaq Khan Institute of Engineering, Science & Technology

08/2014 - 06/2018

Topi, Pakistan

Courses

- Data Structures and Algorithms
- Systems Programming
- Compiler Construction
- Applied Artificial Intelligence

SKILLS & COMPETENCIES

Front End: HTML5, CSS3, JavaScript, Vue.js

Backend: Android, Dart, Flutter, C/C++, Java, Golang, Python

Databases: MySQL, NoSQL, Firebase

Architecture: Serverless, Restful, GCP, AWS, Heroku

Misc: Git, Software Design Principles, Blockchain

Leadership, Management, Business Development, Team Management, B2B Sales

FINAL YEAR PROJECT(BSC)

Indoor Mapping System (08/2017 - 04/2018)

- Devised solution that took an indoor positioning problem as pattern matching problem by using the Bag of words paradigm on magnetometer data available on the smartphone, which was fused with inertial sensors for better positioning accuracy.

Technology Stack: Java and Android for Mobile Apps , Golang for Server Side and Python for Machine Learning and Core Algorithm Computation

ACHIEVEMENTS

Certificate, Quantum Computing, The Coding School (2020 - 2021)

Business Development & B2B Sales for Startups- Sales Valley Certification from Udemy (07/2019 - 08/2019)

Regional Qualifier of Korea Startup Challenge 2019 (06/2019 - 06/2019)

Pakistan Startup Cup - Top 12 Startup out of 1800+ startups of Pakistan (02/2019 - 02/2019)

Introduction to CS50 By Harvard University (06/2017 - 08/2017)

Android Basic Nanodegree By Udacity (01/2017 - 05/2017)

Organized ICPC 2018 with ACM GIK.
Honorary Member ACM GIK.

INTERESTS AND EXTRA CURRICULARS

Books

Computer Science

Running

Hiking & Backpacking