Nimer Amol Singh

Research Driven Technologist interested in real world problems and how we can go about solving them.

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EXPERIENCE

Shivoham Techno Services Pvt. Ltd., Delhi — Project Lead
AUG 2020 - PRESENT

- Leading a team of 6 engineers (Direct reportees in R&D, Production and support to business development), managing budgets and costs.
- Architected & developed applications for smart city electrical grid management and monitoring
- Designed & implemented full stack automation solutions for hospitality industry.
- Spearheading quality management and assurance division to improve resource rationalization and process efficiency and cost-effective solutions.
- Maintained tactical control of project budgets and timelines to keep teams on task and achieve schedule targets.
- Promoted project completion for new and remodeled project locations.

Dell International Services Pvt. Ltd., Hyderabad — Software Development Intern
JAN 2020 - MAY 2020

- Identified and optimized process and tasks to automate.
- Created dashboards for "Services Team" and automated "Daily Processes".
- Instigated streamlining of Supply Chain applications

Dell International Services Pvt. Ltd., Hyderabad — Software Development Intern
MAY 2019 - JUL 2019

- Developed and deployed a Python based automated system for translating customer reviews on Dell website to English to replace the existing "Robotic Process Automation" system in place
- Integrated the new automated system with a machine learning model to do sentiment analysis
- Automated daily email tasks

EDUCATION

Qualification	Year	School/College	Remarks
B.Tech (Computer & Communication)	2020	Manipal University Jaipur (MUJ)	CGPA: 9.1 Gold Medal
XII	2016	Delhi Public School Gurgaon (CBSE)	Percentage: 86%

SKILLS

Languages: Python, C, C++, JavaScript, Dart, Bash

Web: HTML, CSS, Bootstrap, JavaScript MySQL, Flask, NodeJs

Cloud: Google Cloud, AWS

Blockchain: Hyperledger Fabric, Smart Contracts

AWARDS

- **Scholarship** for Students of Higher Semesters
- **Gold Medal** for academic excellence
- **Scholar Badge** for academic excellence in school

Talks

- **Industry Expert** Lecture on use cases of communication technologies at MUJ [2020]
- **Industry Expert** Talk on Cryptography and importance in Industry at MUJ [2021]

POSITION OF RESPONSIBILITY

- **Treasurer – Rotaract Green Club,** MUJ [July 2018–May 2019]
- **General Secretary** - Panacea, MUJ [Jul 2018–May 2019]
- **Head of Design–Phi Phenomenon,** MUJ [Jul 2018–May 2019]
- **Executive Committee** Member for Blood Donation Camp 2018, donor count -1703
- **Core Team** member for MUJ's techno-cultural fest [Sep 2017]

HOBBIES

Stand Up Comedy, Designing, Drumming

PROJECTS

Implementation And Analysis of Blockchain Based DAPP for Secured Sharing of Students' Credentials. — *2019*

Research Paper – IEEE Consumer Communications and Networking Conference, Las Vegas, USA, 2020

- DOI: 10.1109/CCNC46108.2020.9045196
- Architected, Designed and Implemented a solution for sharing students' credentials
- Built on HTML, CSS, Bootstrap, React, NodeJs, IPFS.
- Integrated with Rinkeby Test Network on Ethereum using Smart Contracts
- Performed cost and performance analysis on various experiments

End-to-End PGP Module — *2018*

- Built using Python with no support of External Libraries
- End to end encryption and decryption technique
- Implemented Random sleep timers in core RSA encryption and decryption modules as suggested by Adi Shamir and research team in "RSA Key Extraction via Low-Bandwidth Acoustic Cryptanalysis"

Machine Translation Model — *2019*

- Built model using python to create a Natural Language Processing Application for converting English to Spanish.
- Implemented RNN's which utilized Seq2Seq models for final trainings
- Built front end using HTML, CSS and React.
- Created API calls through FLASK backend to use the trained model.