YASH SOLANKI

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EDUCATION

University of Southern California, Viterbi School of Engineering **Los Angeles, California**
Master of Science in Computer Science (Computer Networks) May 2023

Pandit Deendayal Energy University **Gandhinagar, Gujarat, India**
Bachelor of Technology in Computer Science (GPA: 9.48) May 2020

EXPERIENCE

SharkStriker Inc. **Ahmedabad, Gujarat, India**
Software Developer (Security) Nov 2020-May 2021
- Developed **7+** log parsers with **Logstash** for better organization and visualization of firewall and endpoint security logs on **Kibana**
- Integrated log data from multiple **Endpoint Management Platforms**, **Firewalls** & **SIEM** systems in to standardized **Elastic** schema
- Built security agent **installers** responsible for automating security log pipelines on **Windows**, **Debian**, **Redhat** and **Macos** systems

Innovation & Incubation Center, PDEU **Gandhinagar, Gujarat, India**
Full Stack Developer Jun 2019-Dec 2019
- Spearheaded development of **5+** websites in tech stacks like **MERN, LAMP**, etc. for more than **3** startups and the IIC, PDEU itself
- Led team of **4** to develop event specific websites for the university with interactive **design frontends** with **SQL database** support

LEADERSHIP AND INVOLVEMENT

Computer Society of India **Ahmedabad, Gujarat, India**
President, Student Wing May 2017-Nov 2018
- Directed a team of **24** individuals from various departments to conduct **11+** technical events attracting **300+** participants on avg
- Coordinated execution of **Workshops, Tech talks, and Coding competitions** to enrich computer science culture at my university

AIESEC **Ahmedabad, Gujarat, India**
International Relations Manager Aug 2017-Aug 2018
- Volunteered and aided **United Nation's SDG 11:** Sustainable Cities & Development at **Suzhou & Shanghai**, cities in Jiangsu, **China**
- Established partnerships by **signings MOUs** with other AIESEC organizations present in **5+ nations** for various exchange programs

ACADEMIC PROJECTS

Drug Regulation System Jan 2020-Jun 2020
- Wrote a comprehensive **25+** page **research paper** on drug regulation system and it is in review at **ISPDA-2021,** a **security journal**
- Designed an **Ethereum-based supply chain tracking system** with **Smart Contracts** to regulate sales of drugs and other chemicals

Tamperproof Voting System Aug 2019-Dec 2019
- Published **1 product patent** under Indian Patent Office in the Official Gazette of India for the **Blockchain Based Voting Ecosystem**
- Implemented a customized decentralized **blockchain** from scratch in **python** and created a **frontend web application** with **VueJS**

Groundwater level Prediction Jun 2019-Aug 2019
- Analyzed data requirements, gathered **4000+** data points of Kutch region of Gujarat, India & performed data preprocessing steps
- Programmed **6 ML models** and determined **Neural Network-based MLP Regressor** as a configuration to be most optimal at **97%**

Intelligent Parking System Mar 2019-Mar 2020
- Received **project funding grant** worth ₹ **1.5 lakh ($ 2000)** from our university for IOT-ML based project - **"Smart Parking System"**
- Used **Optical Character Recognition** and trained **Convolution Neural Network** model for reading registration plate of car camera

SKILLS

Technologies: C, C++, Python, JavaScript, Logstash, Solidity, Node JS, React Js, Vue JS, Flask, REST APIs, GitHub, Kibana, Elasticsearch
Interests: Blockchain, Development, Scripting, Automation, Offensive Security, Networks **Hobbies**: Reading, History, Craft

HONORS & AWARDS

- Selected among **top 5** finalists out of **100+** teams nationally in **Smart India Hackathon** 2019 for the **"Self Learning Chatbot"**
- Awarded **Systems Engineer** Specialist role by **Infosys** for being in **top 5000** nationwide in **HackWithInfy** coding competition