Pratik Sanghavi

Data Scientist | Machine Learning Practitioner

I am a self-motivated individual with a strong work ethic seeking to apply my skills in a challenging environment to utilize my proficiency for the growth of the organisation.

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📍 Mumbai, India

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EDUCATION

BE in Electronics and Communications Engineering with minors in Finance
Birla Institute of Technology and Science (BITS), Pilani, KK Birla Goa Campus
08/2017 - 06/2021   *8.93*

EXPERIENCE

WTE Intern
Apple India Pvt Ltd
01/2021 - Present   *Bengaluru, India*
Achievements/Tasks
- Worked towards improving the **robustness** of **inter-RAT handover and redirection** scenarios with **data continuity.**

Intern
VKS Computer Services
11/2020 - 12/2020   *Mumbai, India*
A data analytics firm serving clients in India as well as the Middle East

Achievements/Tasks
- Involved in scraping data from an OTT platform.

Research Intern
Indira Gandhi Centre for Atomic Research
06/2019 - 08/2019   *Kalpakkam, India*
Achievements/Tasks
- Implementation of **noise suppression techniques** for **multi-channel analyzer** in an **FPGA based system.**
- Used **MATLAB** to simulate the **filter response** of various digital filters to the data collected from the **MCA** in the **Plutonium Continuous Air Monitoring System**.
- Generated **VHDL Code** for a suitable candidate.

Intern
Cateina Technologies
05/2018 - 06/2018   *Mumbai, India*
One of the pioneers of blockchain solutions in India building products towards enhancing privacy and security of transactions

Achievements/Tasks
- Developed a prototype suitable for **cold chain management applications** enabling **real-time acquisition** and **transmission** of **temperature data**.
- Used **Hyperledger Composer** to build a rudimentary **blockchain** based wallet that could be integrated to penalise the logistics provider.

ORGANIZATIONS

Department of Arts and Deco (09/2017 - 04/2020)
Creative Head - Helmed brainstorming sessions for laying the roadmap for the verticals to be taken up during the course of the semester

SKILLS

Data Analytics · Computer Networking · DBMS · Machine Learning · Version Control · Analog & Digital Design · Signal and Image Processing · Shell Scripting · Photo, Video Editing

PERSONAL PROJECTS

RAM tester (03/2019 - 04/2019)
- Designed a **RAM tester** for **checking the functionality** of a given **RAM module.**

Antenna Design for government and military communication (10/2019 - 11/2019)
- Designed a **microstrip patch antenna** spanning a bandwidth of **7-14 GHz** using the CST Studio Suite, antenna workflow.

Verilog Implementation of a rudimentary pipelined processor (04/2020 - 05/2020)
- Designed a **4 stage pipelined processor** able to execute a subset of the **RISC-V ISA.**

EXTRACURRICULARS

Elementary and intermediate drawing examinations
Secured "A" grade in both the examinations

Indian Classical Music (instrument - keyboard)
Secured "Pratham Shreni" in the four year course recognised by the Gandharva Mahavidyalaya (Ahmedabad)

Brown and blue belt in Karate and Judo from YKKF

Awarded 'Best Delegate' at PACE MUN, 2017
Delegate of Hungary, EU. Agenda - Refugee Crisis in Europe

LANGUAGES

English
Full Professional Proficiency

Hindi
Native or Bilingual Proficiency

Gujarati
Native or Bilingual Proficiency

Marathi
Professional Working Proficiency

TOOLS

Python · MATLAB · C/C++ · HTML, CSS · Javascript · Verilog · x86 Assembly · SQL · Cadence Virtuoso · AutoCAD · CST Studio Suite · Quartus Prime · Git