Prithvi Punjabi

Contact: (+91) 9619446422
Postal Address: 48/1355, MIG, Adarsh Nagar, Worli, Mumbai 400030, Maharashtra, India
LinkedIn: https://www.linkedin.com/in/prithvi-punjabi/
Github: https://github.com/prithvi-punjabi
Email: prithvidpunjabi@gmail.com

EDUCATIONAL QUALIFICATIONS

Bachelor of Engineering in Information Technology from Thadomal Shahani Engineering College affiliated to Mumbai University, Mumbai, India. 2017 -2021. CGPA: 7.89/10 (up to the 6th Semester)

WORK EXPERIENCE:

Tech Lead
Huzl.life   *Jun'20 -Current*
- o **Developing** a holistic fitness application for the start-up: Huzl.life
- o Planning workout, diet, mental health regimens on basis of consumer behaviour, market requirements etc. by application of **data analytics and machine learning algorithms**
- o **Creating** a proprietary algorithm that reduces the requirement of personnel in the health industry, thereby reducing overhead costs as well as the human error factor

INTERNSHIPS:

Clearing Corporation of India Limited, Mumbai, India   *Jun'20-Sep'20*
- o Worked in the **Economic Research and Surveillance Department** under the Head of Department
- o Tested the efficacy of pre-existing learning algorithms in the domain of stock market prediction
- o Developed a comprehensive algorithm for accurate stock price prediction
- o Analyzed the corelation between news relating to a company and their stock price

Tata Consultancy Service, Mumbai, India   *Dec'19-Jan'20*
- o **Financial Transaction Management** on site for Central Bank of India
- o Learned about and helped manage the **SQL database** used for transaction support and OTP generation
- o Worked in conjunction with the **Interface Design** team to manage and modify the in-house banking application
- o Studied and worked on the TCS **Message Queue** service (IBM MQ) for clustering

Vijay Sales, Mumbai, India   *Apr'15-Jun'15*
- o Worked as a Marketing Advisor for the Technology Marketing team
- o Evaluated competitor marketing strategies and developed a competitive marketing model
- o Suggested insights about product potentials and market penetration strategies in India

PROJECTS UNDERTAKEN:

Algorithmic Trading Platform leveraging Learning Algorithms and Natural Language Processing:
Duration: January, 2020 – May, 2021
Team size: 3
Objective: Machine Learning driven stock prediction and trading platform
Individual Role:
- o Planned and executed a robust application that predicts stock prices based on historic data available, making the trading process simple and more precise
- o Integrated Natural Language processing by parsing Twitter for positive and negative news relating to companies, and factored that into the predicted stock price based on sentiment and polarity
- o Developed a web app dashboard user interface and integrated a machine learning driven chatbot into the application
- o Currently in the process of writing a research paper and filing a patent for this application

FRANCS (Facial Recognition and Neural Camera System):
Duration: January, 2020 – April, 2020
Team size: 3
Objective: Raspberry Pi based Facial Recognition Solenoid Lock
Individual Role:
- o Created an advanced security system based facial recognition using Keras and a neural network

- Implemented the project as an IoT project by using Raspberry Pi, a camera and a solenoid lock; that work in conjunction to unlock a door when a face is recognised
- The possibility of error was reduced and the identification/verification process was streamlined by using a Multi-Task Convoluted Neural Network.

Government Subsidy Blockchain, for a Competitive Coding Competition:
Duration: September 20th 2019 – September 22nd 2019
Team size: 3
Objective: Creation of Blockchain to ensure transparency in the Government Subsidy Chain
Individual Role:
- Created a peer to peer decentralized blockchain to assist in the Government Subsidy Chain
- Leveraged technologies like Python, HTML, CSS and JavaScript to create a responsive Web Application
- The decentralized blockchain ensures transparency in the Subsidy Chain, mitigating the possibility of corruption

CERTIFICATES AND TRAINING:

- **Coursera:**
  - Neural Networks and Deep Learning (deeplearning.ai) *2020*
  - 5 course Python Specialization (University of Michigan) *2020*
  - 4 Course Amazon Web Services Specialization (AWS) *2020*
  - The Data Scientist's Toolbox (Johns Hopkins University) *2020*
- **Node Red Certification (cognitiveclass.ai)** *2020*
- **Ethical Hacking Course** *2019*
- **Acquired the final set of Merit Certificates from Cambridge for the ICT (Information and Communication Technology) Computer examination** *2009-2012*

HONOURS AND AWARDS:

- Shortlisted as an Economic Times Campus Stars 3.0 Challenger for India's Brightest Engineers *2020*
- Received a **Letter of Commendation** from the founder of the Wingword Poetry Competition *2018*
- **Winner** of the Apostolic Carmel Inter-Collegiate and Speech Writing Competition *2016*
- Repeated **Winner** of Inter-school and District level Judo Competitions
- Awarded the **Sho-Dan** (Black Belt) and an Instructors Certificate for Judo *2015*
- Attained the **Bronze Standard** of the International Award for Young People (IAYP) *2015*
- **2015 Nominee** for the National Youth Leadership Foundation (NYLF) *2015*
- **First Runner Up** Bournvita Quiz City Level Competition *2012*
- Repeated **Winner** of the Honour Roll in Dhirubhai Ambani International School *2005-2015*

POSITIONS OF RESPONSIBILTY:

- Currently working as **Tech Lead** in the start-up Huzl.life with a small team under me
- **Magazine Secretary,** Thadomal Shahani Engineering College *2020-2021*
- Senior Member of Computer Society of India, Thadomal Shahani Engineering College *2019-2021*
- Organized and taught a workshop on Web Development *2019*
- **President** of various committees in multiple Model UN Conferences *2014-2018*
- Student Council Sport's Captain, Dhirubhai Ambani International School *2014-2015*

SKILLS:

- **Intermediate**: Programming, Python, SQL, HTML, XML, CSS, C++
- **Basic**: C, Java, JavaScript, PHP, R

EXTRA CURRICULAR ACTIVITES:

- **Black Belt** Judoka, represented Mumbai and Maharashtra at State(2010) and National(2012) Level Tournaments respectively
- Wrote, directed and starred in a play called April Project which was scouted by National Center of Performing Arts and was invited to perform it at their Cultural Festival (2015-2017)
- **Participated** and **Won** in numerous Model United Nations conferences in India, Singapore and Rome; and made school history when asked to be the youngest President of a committee in 2014