Pranav Patel

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EDUCATION

University of Technology Sydney (UTS)
Master's in Information Technology (Extension)
July 2021 (Excepted) | Sydney, Australia

Sarvajanik College of Engineering and Technology (SCET)
BS in Computer Engineering
August 2018 | Surat, India

COURSEWORK

POSTGRADUATE
Fundamental of Data Analytics
LANs and Routing
Cyber Security
Deep Learning & Convolution Neural Network
Data Visualization & Visual Analytics

UNDERGRADUATE
Data Structure
System Programming
Artificial Intelligence
Computer Organization & Architecture
Operating System
Theory of Computation

PROFFESIONAL DEVELOPMENT

MongoDB University
M220JS MongoDB for JS Devs.
March 2019 | Virtually

Cisco Networking Academy
CCNA Routing and Switching: Intro. to Networks
February 2020 | UTS curriculum

AlgoExpert
Certificate of Completion
June 2020 | Virtually

SKILLS

Programming Languages:
Python ● JavaScript ● Java ● C / C++

Web Technology:
ReactJS ● HTML5 ● CSS ● jQuery ● Node.js ● Google Charts ● AngularJS ● Bootstrap

Database:
MySQL ● MongoDB

Collaboration Tools:
GitHub

Microcontroller:
Particle Photon ● Arduino UNO

Data Analytics Tools:
KNIME ● Ms Excel

EXPERIENCE

Investa Mark | Associate Research Analyst
July 2018 - May 2019 | Texas, United States of America
Noteworthy: Developed 07 ***machine learning algorithms*** using ***Python*** form the ***scratch*** and evaluated it on various available open source datasets.

● Built a NodeJS application to classify food items with 80% accuracy based on their ingredients using Google Cloud Vision.

● Worked as a full stack developer as a part of team having 7 developer working at a remote place and created web application using Angular JS, C#, and SQL.

WINR TECH LIMITED | FULL STACK DEVELOPER INTERN
June 2017 - June 2018 | Surat, India
Award: Runners up / 40 Groups
Noteworthy: Simulated 50 virtual devices via code to perform ***load test*** and to check the ***robustness*** of the ***proposed system***.

● Managed the project development; Fabricated the hardware for detection of toxins present in the environment and visualized the collected data via user intuitive website (dashboard).

● Automated the firmware update for the hardware, live monitoring, and remote controlling of the hardware through the created dashboard.

PROJECTS

Cloud storage	A self-made cloud storage designed and made to store the personal information in high volume was created in NodeJS and deployed on to the Internet for world-wide access.
A* path finder	A web-page design to visualize the A* path finding algorithm was made with Processing (a JavaScript framework).
Road work detection and alert system	Innovative deep learning-based project used to detect the ongoing road work in real-time and update Google Maps using Python and TensorFlow.
N Queen Visualizer	The project is intended to visualize the famous N queen problem and written in vanilla JavaScript.

EXTRA CURRICULARS & AWARDS

[1] Honoured with the Best Cricket Player during schooling.
[2] Winner of the photography competition in bachelor.
[3] Winner of the inter department cricket tournament in bachelor.
[4] Casually managing the Pizza-Hut stored located at the Chullora province in Sydney, Australia.

PATENT & PUBLICATION

[1] Patent: Patel P. & et al., "A System to Detect Manage Forest Fire Using a Sensor Assembly Unmanned Aerial Device". India Patent ***201921003375*** (Pending).

[2] Publication: Patel P. & et al., "Identification Visualization of Hazardous Gases Using IoT". ***4th IEEE International Conference on IoT-SIU 2019***, India.

References are available upon request.