Nivid Patel
Mechatronics Engineer

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ABOUT ME

Engineer with hand-on experience on various projects, enthusiast to work with programming languages and its libraries. I want to pursue professional career in field related computer programming and AI and Machine learning.

EDUCATIONAL BACKGROUND

University of Windsor,
Windsor
Master of Engineering in Electrical and Computer Engineering
September 2021- December 2022

Gujarat Technological University
Ahemdabad, Gujarat, India
Bachelor of Engineering in Mechatronics Engineering
2016-2020
CGPA: 8.55/10.00 (First Class with Distinction)

SKILLS AND ABILITIES

- Programming C, C++, Python, Java, HTML, CSS, JavaScript, Micro controller, Microprocessor and Database Management System.
- Experienced with VS code, Firebase, PyCharm, Jupyter Notebook and MySql,
- Hands-On Experience in Machine Learning, Artificial Intelligence, image Processing, Data Analysis, Voice Assistant using differrent libraries of python like TensorFlow, Keras, Pandas, Numpy, OpenCv and Speech Recogintion
- Time management, collaboration, and empathy

PROFESSIONAL EXPERIENCE

Graduate Trainee Engineer
Atmiya Developers
September 2020 - June 2021
- Worked as trainee developer and contributed in different projects such as responsive web development, software development, home automation and many more.

Intern
Infi-League Motorsport
August 2020
- Member of team, designed a Go kart in CAD software and analysis each part to ensure safe design.
- Submitted completion report and maintain the documentation during the internship period.

Intern
Oswal Machinery limited
June 2019
- Worked as an intern in assembly of Elevators and Feeders. Played role in design as well as production of Cranes and learnt about the processing of customised design data.

Freelancer
2020- Present
- Completed various projects as freelancer in different field such as CAD/CAM and Programming.

VOLUNTEER EXOERIENCE

Event Volunteered, IMAZE 2019
Educator, Bachpan NGO
Event Volnteered, INDRA 2017

PUBLICATION

SARAL- THE FUEL MAKING MACHINE , CSTEM'19 SEPTEMBER 27-28,
2019
https://www.researchgate.net/publication/338335461_SARAL-THE_FUEL_MAKING_MACHINE

COURSES

- Python Programming
- Artificial Intelligence and Machine Learning using Python
- Natural Processing Language and Deep Learning
- Image Processing
- Solidworks
- Auto-cad
- Django Web Development
- Keras – Tensorflow

ACHIEVEMENTS

- Secured position in top ten of Mechatronics Engineer branch in Gujarat Technological University
- Received MYSY scholarship
- 10+ victories in different technical events.
- Member of school and college team for Volleyball, Cricket, and Football.

PROJECTS

Voice Controlled Assistant– 2021
- Developed Voice Controlled Assistant using Python and its Libraries, pyttsx3 and speech recognition.

Library Management System– 2020
- Developed tkinter based application, interfaced with MySql database to store and retrieve information using python.

Portfolio Website – 2020
- Using Django , HTML and CSS developed responsive portfolio website.

Face Recognition – 2020
- Developed system that recognise face and also identity individuals mood.

Saral – The Automatic Fuel Machine – (2019–2020)
- Designed machine that capable to produce brick of bio mass waste to replace coal and mitigate pollution problem.

Line follower – 2019
- Configured a bot using controller to follow black line and avoid obstacles.

Home Automation – (2017–2018)
- Modelled a circuit that used to control electric appliance in home using nodemcu (wifi module).