Devesh Datwani

Worcester, Massachusetts, USA | datwanidevesh@gmail.com | +91-9619183886
http://www.deveshdatwani.in | LinkedIn: https://www.linkedin.com/in/devesh-datwani-810249129/
GitHub: https://github.com/deveshdatwani

WORK EXPERIENCE

Junior Web Developer Intern, Nurturelabs, Mumbai, India ***May 2021-July 2021***

- Worked in the backend development team to build a social media listening tool that helps generate leads
- Wrote scripts to periodically scrape live data from Reddit, Stack Overflow, ProductHunt
- Worked hands on with Python frameworks like Django and FastAPI

Data Specialist, Admatazz, Mumbai, India ***December 2019-November 2020***

- Built web scraping tools to that scraped more than 10000 contacts for targeted campaigns
- Worked in a team to build machine learning tools for customer behavior analysis
- Worked with real world data to build machine learning models that improve click rate

R&D Intern, Boson Machines, Mumbai, India ***July 2018-November 2018***

- Assisted in the design of new generation 3D printers
- Helped reducing printing time by almost 50% by transitioning to linear guideways from linear rods
- Carried out relentless printing tests to measure the printer’s capability and performance

PROJECTS

Plasma Actuators For Flow Induction Inside Hollow Pipes ***2017-2018***

- Experimented with a plasma actuator by setting up electrodes inside hollow pipes in distinct configurations which induced airflow without the help of any moving parts
- Recorded maximum air-flow velocity of 1.6 m/s and a flow of 9000 liters/hour

Trends On The Map ***November 2020***

- "Trends On The Map" visualizes live Twitter trends on the world map allowing visitors to catch up with what's buzzing in different parts of the world
- Built the web-application using Python's Flask micro web framework
- Deployed the flask app on AWS' EC2 instance
- http://www.trendsonthemap.com

Aerial Vehicles ***2011-Present***

- Developed hands on experience in building RC airplane airframes with lightweight materials such as chloroplast, biofoam 3D printed parts and balsa
- Experimented with both electric and nitro-methane powered motors
- Design and fabricate fixed wing aircraft in various wing configurations such as constant chord high-wing, delta, diamond etc

EDUCATION

Master of Science in Robotics, Worcester Polytechnic Institute, Worcester, MA ***2021-2023***
Course work (future) : Robot Motion Planning, Computer Vision, Machine Learning, Robot Control, Deep Learning, Robot Navigation

TECHNOLOGY STACK

Languages: Python, C, C++, HTML-CSS
Frameworks/Libraries: OpenCV, Django, FastAPI, Scikit-Learn, NumPy, Pandas
Microcontrollers: Arduino Uno, Raspberry Pi B+