Devesh Datwani

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WORK EXPERIENCE

Junior Web Developer Intern, Nurturelabs, Mumbai, India *May 2021-July 2021*
- Worked in a team to build a social media listening tool to generate marketing and business leads
- Wrote scripts to periodically scrape live data from Reddit, Stack Overflow, ProductHunt
- Worked hands on with Python frameworks like Django and FastAPI frameworks

Data Specialist, Admatazz, Mumbai, India *December 2019-November 2020*
- Built web scraping tools for
- Worked in a team to build ML tools for remarketing projects
- ABCD
- ABCD

R&D Intern, Boson Machines, Mumbai, India *July 2018-November 2018*
- Programmed Raspberry Pi Microcontrollers to build Boson printer prototypes
- Experimented with different firmware to optimize user friendly graphical interface
- Something
- ABCD

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*
- Built RC airframes using combinations of lightweight materials such as balsa wood, chloroplast, bio foam and 3D printed parts
- Experimented with electric and nitro-methane powered motors
- Designed and fabricated fixed wing aircraft in distinct wing configurations such as constant chord high-wing, delta and diamond

EDUCATION

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

PROGRAMMING SKILLS

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