

Himanshu Patel

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Objective: Currently seeking a challenging position in Software Development where i can utilize my technical and problem solving skills. Which ensure professional and personal growth.

Education: •New Jersey Institute of Technology, Newark, NJ - MS, Computer Science Expected : 05/2020

•DA-IICT, Gujarat, Gandhinagar, India - BTech, Information and Communication Technology 05/2017

Skills:

- Proficient in Python, JAVA, MATLAB, SQL, Bash, Ruby, JavaScript, C++, C
- Tool and Technologies: Git, OpenCV, QGIS, GIMP, PIL, TensorFlow, Secure shell, Eclipse IDE, Ruby on Rails, Trimble eCognition Tool, AWS instances.
- Area of interest: Computer Vision, Machine learning, Data Structure and Algorithms, Object Oriented Programming, Android Development, Software Development Life Cycle.

Experience: **Intello Labs, Bangalore, India** 12/2016 – 07/2018

Software Engineer - 1 year, Intern - 6 months

- Designed and implemented computer vision and machine learning modules in the projects.
 - Designed and Implemented a system which can analyze an image of rice fields to determine the count of rice panicles and able to differentiate between type of panicles. It reduces client's manual efforts in monitoring the rice fields using python, TensorFlow, OpenCV.
 - Designed and Implemented modules which can find location of individual palm trees, identify young palms, health condition of palm trees, type of vegetation from drone images. This system decreased the land wastage in the palm fields and made monitoring of thousands of hectares of field easy.
- Developed the company's image validation tool - Auto Validator.
 - Image validation tool where it validates machine predicted output to manual output. After validation it also show how accurate machine predictions/results are with respect to manual results. This tool acts as a central repository for all the projects. This decreases the manual works done in validating results, data become more manageable.
- Configured AWS instances by developing a bash scripts to install company project dependencies. which led to faster code deployment and testing.
- Main contributor towards company's first Agri-Tech project (wheat grading) which led to huge investments and additional Agri-tech projects.
- Mapped the product on different e-commerce portal for product price monitoring.
- Contributed in developing web-crawler to crawl products from various e-commerce portal for product monitoring.

DA-IICT, Gujarat, India

08/2013 – 05/2017

- Summer Research Internship - High-Performance Computing, Created Homogeneous cluster running on Ubuntu 64-bit in which connected system use the computing power of other connected systems.
 - Summer Industrial Internship - Developed report generation module for automated lab evaluation system which includes analysis of running time, total test cases passed, code readability. It cutdown the professor's work load.
 - Course Project: [Data Mining Experiments on Twitter](#) - Gathered tweets about the trending events in a specific region, visualized the tweets on maps and created a sentimental analysis of the tweets.
 - Freelancing Project: [Animal Husbandry Management App](#) - Android Application's for managing the animal husbandry. App has features like animals count, food requirements, farmer assignment, their daily wage, the remainder for various events and many more.
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Activities/ • Awarded for developing the design and development for the company's image validation tool - Intello Labs.

- Awards:**
- Member of Programming Club – DA-IICT.
 - Core Member of Electronic Hobby Club - DA-IICT.
 - Volunteer at Synapse - College Festival - DA-IICT.