**DEVASHISH KRISHNA PRASAD**

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**SUMMARY**

A Well-trained Intern enthusiastic about building long-term career in IT industry in the field of Computer Vision, IoT and Artificial Intelligence. Have a hands-on experience in Open Source contribution, Artificial Intelligence, Computer Vision, Research and Development, Android and Web Development. Have a strong Research skill, self learning abilities and excellent in problem solving approach. Have experience in understanding and dealing with clients and providing solutions.

**SKILLS**

Computer Vision OpenCV, Scikit-image, Tensorflow CNNs, Tesseract-OCR

Machine Learning Tensorflow, Scikit-learn, Pandas, Matplotlib, Python 2.7 and 3.6+

Version Controlling Git, Github

IoT Raspberry Pi B3+, Raspberry Pi Zero, Arduino

Mobile Technology Android, Android SDK , PhoneGAP, Cordova Plugins, Firebase,Node-Red

UI Applications HTML5, CSS3, JS, PyQt, Tkinter

OS: Ubuntu 18.04, CentOs 6, Linux Redhat, Window Server 2008

Programming: Java, C++, Python, PHP, JSP, JavaScript

Web: JQuery, AJAX, JavaScript, HTML5, CSS3, XML, JSON, Bootstrap

RDBMS: Oracle SQL Developer 10 , 11 ,PL-SQL, MS-SQL Server, MYSQL5, MS-Access 2007

Web Server: TOMCAT-APACHE, WAMPP, XAMPP

Soft Skills: Polite, Teamwork, Communication, Case analysis, Self Learning, Leadership, Understanding Clients, Problem Solving, Building a product, Sincere, Punctual

**WORK EXPERIENCE**

05/2017 – 08/2017 **Kneo Automation Pvt Ltd -** Pune, Maharashtra

* Worked as an Intern in the Research and Development department of Kneo Automation Pvt Ltd.
* Worked and explored the field of Internet of Things (IoT) and provided assistance in IoT projects.
* Worked on basics of Computer Vision and Machine Learning.
* Developed web based user interfaces and websites with backend and server side scripts.

05/2018 – 08/2018 **Kneo Automation Pvt Ltd -** Pune, Maharashtra

* Continued the internship and worked in the Research and Development department of Kneo Automation Pvt Ltd.
* Worked and explored the field of Artificial Intelligence and Computer Vision.
* Developed Deep Learning with Computer vision based applications.
* Studied and implemented Computer Vision research papers.
* Provided assistance in Industrial Internet Of Things projects.
* Developed web based user interfaces and hybrid android applications using Jquery, Json and Ajax.

**EDUCATION**

2018 – pursuing **Pune Institute of Computer Technology,** Pune - 411043

Bachelor’s in Information Technology

Degree expected May 2021.

Current CGPA 9.2

2015 – 2018 **Government Polytechnic Pune**

Diploma in Computer Engineering

Completed Diploma with 90.5 %

20014 – 2015 **Aaryans World School, Pune**

CBSE(10th grade)

Completed 10th standard with 91.4%

**ACHIEVEMENTS**

**Academic -**

2014 – 2015 **1st Rank** in the school for CBSE 10th exam.

2017 – 2018 **Event Head** at GPP Annual Fest (TECHNOFEST 2K18)

2017 – 2018 Class Representative for the academic year (2017 - 18) in Diploma

2017 – 2018 Qualified for Grand Finale of National level hackathon **Smart India Hackathon** 2018 for a project of ISRO

2018 – 2018 **Winner** at Web development competition of PICT (PULZION 2018)

2018 – 2018 Shortlisted in Top15 at COEP Hackathon (Mind Spark 2018)

2019 – 2019 Selected for Grand Finale of national level hackathon **Smart India Hackathon** 2019 for a project of ITC ltd

2019 – 2019 **Runner Up** at Pasckathon 19 an Hackathon of PICT

2019 – 2019 **Runner Up** at Pratibha 19 a paper presentation competition conducted at INC PICT

**Sports -**

2015 – 2016 **Winner** at State (Inter-Zonals) matches in Badminton

2015 – 2016 **Winner** at Inter-Department (GPP) matches in Badminton

2016 – 2017 Runner-up at District (Zonal) matches in Football

2017 – 2018 Runner-up at Inter-Department (GPP) matches in basketball

2018 – 2019 Qualified for Reliance Cup State level tournament.

**PROJECTS**

**Project: Real time Product Classifier**

**Client: AC Automation, Ausburg, Germany**

Organization: KNEO Automation Pvt. Ltd.

Description: Computer Vision and Deep Learning (CNN) based Product Classifier which classifies various good and bad products in real time.

Link: <https://github.com/DevashishPrasad/Tkinter-Real-Time-Classifier>

**Project: Robot material handling system**

**Client: AC Automation, Ausburg, Germany**

Organization: KNEO Automation Pvt. Ltd.

Description: Computer Vision based object position, size and alignment detection for material handling robot. Finding distance of objects from a reference object or origin and their angle with respect to x-axis.

Link: <https://github.com/DevashishPrasad/Angle-Distance>

**Project: Embossed text OCR.**

**Client: Sharda Motors, Pune, India**

Organization: KNEO Automation Pvt. Ltd.

Description: OpenCV and Tesseract based embossed text Optical Character Recognition software.

Link: <https://github.com/DevashishPrasad/Embossed-Text-Reader>

**Project: Seven Segment Display OCR**

Organization: KNEO Automation Pvt. Ltd.

Description: Computer Vision image filtering techniques for Tesseract based OCR to read from seven segment display.

Link: <https://github.com/DevashishPrasad/LCD-OCR>

**Project: Bomb Fuse Detection System**

**Client: VEA Automation, Shivane, Pune, India**

Organization: KNEO Automation Pvt. Ltd.

Description: Bomb fuse opening detection using Computer Vision motion detection in real time. Camera senses the motion for fuse opening and triggers the machine.

**Project: Smart Traffic Junction**

Competition: PICT Pasckathon 2019

Description: Computer Vision, Deep Learning and IoT based traffic conscious traffic junction which manages the traffic more efficiently.

**Project: Online Inspection of Packed Tobacco Cases**

**Client: ITC ltd.**

Competition: Smart India Hackathon 2019

Description: Machine Learning and Computer Vision based real time Tobacco leaves grade classification based on color and texture classification.

**Project: Casset Number Plate OCR ( like car number plate )**

**Client: MRF, Trichi, India**

Organization: KNEO Automation Pvt. Ltd.

Description: Image filtering and cleaning for Tesseract based Number Plate OCR.

**Project: Crowd Face Counter**

**Client: COEP**

Competition: Mind Spark 2018

Description: Computer Vision and Deep learning (CNN) based crowd face counter and estimator.

**Project: Garabage Classification App**

**Client: ISRO**

Competition: Smart India Hackathon 2018

Description: Deep learning (CNN) and Computer Vision based Android application to classify garbage images

**Project: Responsive Website**

Competition: PICT ACM PULZION 2018

Description: HTML CSS JS based Responsive Website

Link: <https://github.com/DevashishPrasad/DevashishPrasad.github.io>

**Project: Responsive Website**

**Client: K&N Automation, Chennai, India**

Organization: KNEO Automation Pvt. Ltd.

Description: HTML CSS JS based Responsive Website

**Project: Responsive Website**

**Client: Kneo Automation, Pvt Ltd, Pune, India**

Organization: KNEO Automation Pvt. Ltd.

Description: Responsive Website

**Project: Responsive Website**

**Client: Design Cell Consultant, Pvt Ltd, Mumbai, India**

Organization: Free Lance

Description: Responsive Website.

**Project: Firebase real time Android Application**

**Client: PICT CSI Student branch**

Organization: Free Lance

Description: Real time event management android application with firebase.

**Project: Hybrid mobile Application**

**Client: IDMC Ahemdabad**

Organization: KNEO Automation Pvt. Ltd.

Description: Hybrid Android application with server side scripting and AJAX & JSON.

Link: <https://github.com/DevashishPrasad/Phonegap-milkplant>

**Project: Home Automation**

Institute: GPP (Final Year Diploma Project)

Description: Cloud server based Real time remote monitoring and controlling of home automation system with hybrid mobile app.

**PERSONAL DETAILS**

Date of Birth: 29th August, 1999

Permanent Address: B-207, Green Leaf, Gat no 571, Kirkatwadi, Pune – 411024

Languages Known: English, Hindi and Marathi

**REFERENCES**

**CEO, KNEO Automation Pvt Ltd -** Raju Kulkarni – 9823020396

**System Architect, KNEO Automation Pvt Ltd -** VrushaliKulkarni – 9960937410

**Github -** <https://github.com/DevashishPrasad>

**StackOverflow -** <https://stackoverflow.com/users/8029329/devashish-prasad>

**LinkedIn** - [www.linkedin.com/in/devashishprasad/](http://www.linkedin.com/in/devashishprasad/)