

# Prateek Gulati

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## Education

**COMPUTER SCIENCE ENGINEERING, MATHS (minor): CGPA 8.15**

SHIV NADAR UNIVERSITY

2013 – 2017

Gautam Budh Nagar

**HIGH SCHOOL: 12<sup>th</sup>: 92.4%**

2013

**MATRICULATION: 10<sup>th</sup>: 10.0 CGPA**

2011

## Experience

**DELL INTERNATIONAL SERVICES**

Software Engineer 2

July 2017– Present

Bangalore

Part of Patent Review Committee FY19, QEO ML/AI Initiative

BOT Onboarding Platform; GLOVIA Inventory: Test Automation, Robotic User

**ASPIRING MINDS**

Research Intern

Jan – June 2017

Gurgaon

*AUTOMATA: A System to Grade Computer Programming Skills* by parsing code, extracting informative features and determining closeness of logic using machine learning based algorithms

Worked On: Python, Antlr, Ruby, CurrentParser, Ripper, AST, Parse Tree, UnitTest

**DELL INTERNATIONAL SERVICES**

Undergrad Intern Associate

May – July 2016

Hyderabad

*RUTILD, Resource Utilization Dashboard*: A dashboard webapp that helps organization establish and sustain resource utilization excellence that drives profitability.

Worked On: Python, pandas, flask, jinja2, JavaScript, D3.js, nvD3.js, bootstrap, jquery, AJAX

**VIDEOCON D2H**

Intern Machine Learning

June – July 2015

Greater Noida

Developed a *Tele-Recommender System* using Machine Learning techniques, to improve user experience for their customers.

Applied Collaborative filter using content and user similarity algorithm.

Dataset used: Movielens, Worked On: Python, numpy, scikit for various calculations, and wxpython for GUI

## Projects

**ColProD: COLLECTION PROCESS DIGITIZATION**

Dec 2018

An E2E solution that ease the way collectors operate by improving adherence of the problem coding to determine appropriate actions.

Key Features: Phrase Completion, Topic Modelling, Classification

Tech Stack: Keras RNN LSTM, LDA, nltk, sklearn, genism word2vec

**CHANAKYA: The First of its Kind**

June 2018

On premise skype robotic user that resolves inventory related issues that happen during SIT and UAT and prevent any human intervention.

Tech Stack: Azure: Luis, QnA, Bot SDK, UCWA APIs, Bot Emulator, Python, C# Automation

**SIAg: Schema Intelligent Agent**

Oct 2017

A ML based App that can predict the next action for 3<sup>rd</sup> party vendors for a stuck order in supply chain with USP of extension to other applications and domains easily.

Tech Stack: DialogFlow, Keras, Tensorflow, pandas

**HOMEY BOT**

Apr 2016

Demonstrating IOT at a prototype level by controlling room devices using the Telegram app. Real time data access of the sensors and its graph and notifications of intruder on the app. Classification and recognition of unidentified objects.

Tech Stack: Python, API:-Telegram, opencv, cloud sight, thingspeak, Pyserial.

## Research

**Object Recognition using CNN:**

Jan 2019-Present

CNN from scratch Benchmarks: CIFAR 10 Best Validation Accuracy: 93%, TinyImagenet Best Validation Accuracy: 63%

**Binary Number Sequence:**

Jan-Oct 2016

Acknowledged in Binary strings of length n with x zeros and longest k-runs of zeros Nej, Monimala & Reddy, A, published: INDIAN JOURNAL OF MATHEMATICS 2019

## Honors & Awards

InnovateToInspire Hackathon 2019, State Winner

TechnoFest Innovation 2018, at Dell Runner Up

Hack.Fin 2018, at Dell Winner

AI Hackathon 2017, at Dell First Runner Up

Bronze Merit, Dell FY18 Q4

Intern-novation 2016 Finalist at Dell International Services

Silver merit in Technothon 2010 by IIT Guwahati

Gold medalist in 8th National Science Olympiad 2005 and 4th National Cyber Olympiad 2004

Gold and Silver medalist in International Informatics Olympiad 2005 and 2006

Recipient of State prize (INR 1000/-) in 6th Bhaskara Maths Competition 2009

June 08, 2019

PRATEEK GULATI · RÉSUMÉ