

K Tejas Reddy

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EDUCATION

Indian Institute of Technology, Jodhpur, Jodhpur, India

- B.Tech. in Systems Science
 - Minor in Computer Science and Engineering
 - Cumulative GPA: 6.45 / 10.00

Aug 2014 – Jun 2018

Narayana Junior College, Tarnaka, Secunderabad, India

- Intermediate
 - Board of Intermediate, AP.
 - Percentage: 96.00

Jul 2012 – Jun 2014

Kendriya Vidyalaya No.1 Uppal, Hyderabad, India

- Tenth Standard
 - CBSE Standard.
 - Cumulative GPA: 10.00 / 10.00

Jul 2011 – Jun 2012

SKILLS

- *Programming Languages*: C++, Python, C, Javascript
- *Industry Knowledge*: Machine Learning, Software Development
- *Tools and Technologies*: TensorFlow, OpenCV, Node.js, MySQL, UNIX, NLTK, Wireshark
- *Statistical Tools*: MATLAB, GNU Octave, R
- *Version Control*: Git

RELEVANT COURSES

Machine Learning: Computer Vision, Deep Learning with TensorFlow, Artificial Intelligence, Natural Language Processing, Statistical Learning, Systems Design, Optimization, Data Analytics

Computer Science: Algorithms, Software Engineering, Compilers, Operating Systems, Computer Networks, Database Systems, Computer Graphics

INTERESTS

Machine Learning, Software Development, Data Analytics

INTERSHIPS & PROJECTS

Events Management Software Development, Internship

May 2017 – Jul 2017

- Full-Stack Web Developer Intern at New Generation Software Solutions
 - Developed a working multi-platform website which can show the catalogue of events, a way to register to a particular event, and also creating new user account to add their own events to the catalogue.
 - Back-end development was done using Hasura databases and postgresql. Server management is done using Node.js and Express.

Twitter Sentiment Analysis with Live Graphical Visualization, Project

Jan 2018 – Apr 2018

- Natural Language Processing, Multinomial Naive Bayes Classification Algorithm
 - Live twitter streaming data is classified based on its sentiment towards a given topic. Corresponding live graph simulation is also implemented.
 - This was done using NLTK, Tweepy, and Matplotlib packages in Python.

Passenger Screening Algorithm, Project

Sep 2017 – Nov 2017

- Machine Learning Algorithms
 - Threat recognition algorithm of Homeland Security for detecting threats in the human body at the entrance of airports is remodelled.
 - Project results are submitted on Kaggle with better cross-validation results.

Offline Handwriting Recognition using CNN, Project

Jan 2017 – Apr 2017

- Computer Vision, Convolutional Neural Networks
 - Created a software which recognizes grayscale handwritten text images with the help of Convolutional Neural Networks using back propagation technique with feed forward network.
 - This was done using OpenCV and Tensorflow packages in Python.

- Smallest Enclosing Circle in Bichromatic Data, Project

Sep 2016 – Nov 2016

 - Algorithms, Beyond NP
 - Arrived at an algorithm for Smallest enclosing circle problem by doing research on bichromatic data structures and conflict-free covering.
 - Implemented a webapp, also an android app to demonstrate the separating smallest circle in the bichromatic plane. Used CGAL Libraries in Python and Javascript.

- Walmart Sales Forecasting, Project

Jan 2016 – Apr 2016

 - Statistical Decision Theory, Regression, Machine Learning
 - Historical Sales Data of 45 Walmart stores each containing a number of departments is provided, a regression model which predicts the department-wide sales for each store is implemented. A thorough examination using graphical representation is included.
 - This was done using xgboost and matplotlib packages in Python. Statistical Analysis is done in R.

- AWARDS & SCHOLARSHIPS

 - Rank 760/3292, Home Credit Default Risk Competition at Kaggle

May 2018
 - Merit-cum-Means(MCM) Scholarship, Indian Institute of Technology, Jodhpur

2014 – 2016
 - Scholarship with stipend for undergraduate studies according to the merit.

- PROFESSIONAL AFFILIATIONS & ACTIVITIES

Branch Representative, Systems Science, Indian Institute of Technology, Jodhpur

 - Branch Representative for the class of 2018, Systems Science Department.

2014 – 2018

- CAMPUS ACTIVITIES

Extra-Curricular Activities,

 - Assistant Head, Workshops, Ignus

Aug 2015 – Mar 2016

 - For Ignus, technical-cultural fest of IIT Jodhpur, I served as assistant hea for Technical Workshops Wing.
 - Part of Election Commision, IIT Jodhpur

Mar 2016 – May 2016

 - I was one of the 10 member body of Election Commision for Student Gymkhana Elections, IIT Jodhpur for the year of 2016.
 - Video-editing and Cinematography

Aug 2015 – Mar 2016

 - Video Editing and Cinematography for Short Film presented in Mood Indigo, technical-cultural fest of IIT Mumbai.

LANGUAGES

English, Hindi, Telugu

[CV compiled on 2018-06-25 for XXX]