# VAGDEVI KOMMINENI

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## ABOUT ME

A self motivated, inquisitive student, enthusiastic to discover various dimensions of the technical world.

## EDUCATION

| | |
|---|---|
| Indian Institute of Information Technology SriCity, Chittoor | *August 2015 - Present* |
| Junior Research Undergraduate | Overall GPA: 8.3/10 |

Department of Computer Science and Engineering   Sri Chaitanya Junior College, Vijayawada  2013 - 2015

| | |
|---|---|
| Senior Secondary in M.P.C | Percentage: 97.9% |

| | |
|---|---|
| Sri Chaitanya Techno School, Gosala, Vijayawada | 2012 - 2013 |
| S.S.C | Grade: 9.8 |

## TECHNICAL STRENGTHS

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|---|---|
| **Computer Languages** | C, Python, Javascript, HTML, CSS, MySQL |
| **Software & Tools** | Git |
| **Operating Systems** | Ubuntu |
| **Frameworks & Libraries** | Django,Tensorflow,Keras,web2py, Bootstrap, Numpy, NLTK, |

## TECHNICAL SKILLS

| | |
|---|---|
| Deep Learning | Database Management |
| Software Engineering | Natural Language Processing |
| Machine Learning | Computer Vision |

## PERSONAL SKILLS

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|---|---|
| Communication Skills | Interpersonal skills |
| Project Management | Team Work |
| Leadership | |

## EXPERIENCE

**Greatfour Systems, Hyderabad**                                     May 2018 - July 2018
*Research and Development Intern*

· Bestowed my skills for research and application development of the company.

**IIITS, Chittoor**                                     Jan 2018 - Present
*Junior Research Undergraduate*

· Working as a Junior Research Undergraduate in the field of NLP and Deep Learning as part of my B.Tech(Honors) programme under Prof. Amitava Das.

**IIITS, Chittoor**                                     Jan 2018 - May 2018
*Teaching Assistant*

· Database Management Systems under Dr. Uma Garimella

**IIITS, Chittoor** <span style="float:right">Aug 2017 - Dec 2017</span>

*Under Trainee Teaching Assistant*

· Information Technology Workshop under Dr. Nagesh Koalgani

**IIITS, Chittoor** <span style="float:right">Aug 2017 - Dec 2017</span>

*Project Module Lead*

· Successfully lead the faculty module team of Software Engineering course and developed Attendance Management System using Software Engineering life cycles and principles for our institution

## ACADEMIC ACHIEVEMENTS

Ranked in National Top 0.2% (amongst 1,400,000 candidates) in JEE Mains 2015.

Ranked in the State-wise Top 0.3% (amongst 1,000,000 candidates) in State level Engineering competitive Exam (EAMCET)

## RELEVANT COURSES

| | |
|---|---|
| C Programming | Data Structures |
| Artificial Intelligence & Machine Learning | IT Workshop and IT Systems |
| Software Engineering | Information Retrieval and NLP |
| Operating Systems | Database Management Systems |
| Algorithms | Computer Vision |

## ONLINE COURSES

- Machine Learning

- Neural Networks and Deep Learning

- Convolutional Neural Networks

- Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization

## PROJECTS

**Aspect Identification in Codemix Data** <span style="float:right">January 2018 - Present</span>

· Achieving aspect identification, the primary task of Aspect based Sentiment Analysis , on codemix data ,using Machine Learning and Deep Learning techniques. [NLP,ML,DL]
https://github.com/vagdevik/ABSA-Codemix

**Language Modelling,Perplexity and CMI on Codemix data** <span style="float:right">August 2017 - November 2017</span>

· Trigram, Bigram, Unigram perplexity and CMI analysis and the relation between Perplexity and CMI, all on codemix twitter data. [NLP]
https://github.com/vagdevik/NLP-Perplexity-CMI

**Neural Artistic Style Transfer** <span style="float:right">February 2018 - Present</span>

· A deep learning technique to fancily modify the content image by transferring the style of another image.[Computer Vision, DL]
https://github.com/vagdevik/Neural-Artistic-Style-Transfer
https://github.com/vagdevik/Computer-Vision

**Deep Learning CNN - AndrewNg course** <span style="float:right">September 2017 - November 2017</span>

· Built a DL model for car detection using YOLO Architecture, Face recognition classifier, SIGNS classifier using ResNet Architechture. [Python, Keras, Tensorflow, Numpy]

### My Village                                                      August 2017 - December 2017

· Implemented weather forecast and market price prediction algorithms. Social platform to broadcast the problems and find solutions.
https://github.com/vagdevik/myVillage-Django

### Student Attendance Management System                           August 2017 - December 2017

· Student Attendance and Faculty Assignment management system.[Django, Bootstrap,Javascript,HTML, CSS,Cesium]
https://github.com/vagdevik/SE2017

### Mini Search Engine                                           November 2017 - December 2017

· This Search Engine gives the summary-accompanied results based on the tf-idf, phrase queries, cosine similarity techniques.[IR, Django, python and some other libraries]
https://github.com/vagdevik/Information-Retrieval

### Extended Basic Calculator

· A mini project done as part of the compiler design course. It is like a modified mini prototype of the basic calculator(bc) of the linux terminal. It works like an interpretor.
https://github.com/vagdevik/Compiler-Design/tree/master/Extended_Basic_Calculator

### Weather station                                                August 2016 - November 2016

· A visual weather portal that would work in real-time.[Web2py, Python, HTML, Javascript, Raspberrypi, Arduino, RF, WiFi and other temperature modules]
https://github.com/vagdevik/web2py-projects

### Employee Management System

· Employee Management system using Database Management Techniques.

### Simultor                                                      Ocotober 2016 - November 2016

· Developed a Java based Simulator illustrating disk management algorithms with GUI Builder.[Java, GUI Builder]Developed a Java based Simulator illustrating disk management algorithms with GUI Builder.[Java, GUI Builder]
https://github.com/vagdevik/Simulator-OS

### Route Planning Algorithms                                       January 2017 - April 2017

· Implemented and analysed the different run-times of shortest fast path algorithms using different data structures on real-time data.
https://github.com/vagdevik/Route_Planning

### Urban Water Crisis                                                  IIITS 24-hour Hackathon

· Developed a real-time visualization application to analyse and illustrate water crisis in the urban areas. [Django, Arduino, HTML, CSS, Javascript, Cesium]
https://github.com/vagdevik/Hackathon_2017_IIIT-Sricity

### Object avoidance Robot with live video streaming                January 2017 - April 2017

· Developed a robot with live streaming feature which detects and avoids the objects on its way.[IOT, python, opencv]

**Car Parking Lot**                                              January 2016 - April 2016

· Developed a smart car parking lot prototype. [IOT, python, opencv]

## SOCIAL LINKS

Portfolio: https://vagdevik.github.io/index.html
Github: https://github.com/vagdevik
Linkedin: https://www.linkedin.com/in/vagdevi-kommineni-427599114/