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

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

TECHNICAL SKILLS

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

PERSONAL SKILLS

Communication Skills
Project Management
Leadership
Interpersonal skills
Team Work

EXPERIENCE

IIITS — Aug 2016 - Dec 2017
Teaching Assistant

· Information Technology Workshop under Dr. Nagesh Koalgani
· Database Management Systems under Dr. Uma Garimella

IIITS — Aug 2017 - Dec 2017
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
Artificial Intelligence & Machine Learning
Software Engineering
Operating Systems
Algorithms
Data Structures
IT Workshop and IT Systems
Information Retrival and NLP
Database Management Systems
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 January 2018 - Present

· 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 August 2017 - November 2017

· 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 February 2018 - Present

· 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 September 2017 - November 2017

· 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/