**Chakravarthy Gopi**

Email : chakravarthy415@gmail.com Contact No: 91- 9766566421

|  |  |  |  |
| --- | --- | --- | --- |
| **EDUCATION** | | | |
| Year | Degree | Institute/ School | %/ CGPA |
| 2016 | M.Tech  (Signal Processing Communication &Networking) | IIT Kanpur | 7.33/10 |
| 2013 | B.Tech  (Electronics & Communication Engineering) | |  | | --- | | Sri Vasavi Engineering College, Tadealligudem | | 74.74% |
| 2009 | Class XII | |  | | --- | | Sri vidya Junior college, Ramachandrapuaram | | 96.1% |
| 2007 | Class X | |  | | --- | | ZPH school, Pasalapudi | | 89.9% |

|  |
| --- |
| **WORK EXPERIENCE** |
| **Demo Release Engineer (PEGA Systems)** Nov, 2019 - Present |
| Responsibilities :   * Providing AMIs, snapshots to vertical teams. * Automation using BASH. |
| **Senior Software Engineer at Persistent systems limited (PSL)**  Aug, 2016 – Nov, 2019 |
| Responsibilities :   * Providing support for software packages on IBM Z machines (S390x architecture) for Ubuntu, Red hat, SUSE distributions by porting the functionalities. This includes resolving build issues, configuring LAMP stack files, modifying Makefiles, Etc… * Debugging and fixing failed test cases. (C, Go, Java) * Creation of Docker files, Jenkins files and bash scripts to automate the execution of jobs. * Creation of Kubernetes clusters to deploy applications (Calico, istio) * Maintenance of Jenkins jobs of few packages. * Creation of recipe files using markdown editor. * Reviewing the recipes created by other developers. * Communicating with the team and client present at different locations to collect the details/ requirements and to share the progress of the tasks.   Extra activities:   * Participated in “call for code” workshop and one day technical coding event conducted by IBM. (2018) * Solved “Mindspark” coding challenges conducted with in the company and stood in the dashboard for 10 consecutive weeks. (2017) |

|  |  |
| --- | --- |
| **COMPUTER PROFICIENCY** | |
| Languages | C, Java, Matlab, BASH scripting |
| Operating Systems | LINUX (Ubuntu, RHEL, SLES), Windows |
| DevOps tool stack | Docker, Jenkins, Git, Chef |
| Miscellaneous | HTML, CSS, MySQL, Latex, Markdown editor, Maven, Kubernetes, Algorithms. |

|  |
| --- |
| **MASTER’S THESIS** |
| **Power Allocation For Minimum Energy Consumption In Consensus Networks** 2015-16 |
| Under the guidance of Dr. Y.N Singh   * A method was proposed to optimize both network topology and the power allocation over each active link of wireless sensor network. * Results are simulated in Matlab for two network models: deterministic model and random geometric networks. |

|  |
| --- |
| **COURSE PROJECTS** |
| **Creation Of Panorama From A Video (Video Processing)** |
| * Implemented an approach to create a Panorama from a video by estimating the displacement. * The key step in this panoramic stitching algorithm is to extract and match SURF features between all of the images. |

|  |
| --- |
| **TERM PAPER** |
| **Optimum Resource Allocation In Downlink OFDM Wireless Systems (Wireless Communications)** |
| * This paper discusses downlink energy-efficient and fair resource allocation in OFDM wireless systems to support mobile multimedia communications. |

|  |
| --- |
| **B.Tech project** |
| **Singing-Voice Separation From Monaural Recordings** 2012-2013 |
| Under the guidance of Prof. M.Koteswara Rao   * Music accompaniment can be assumed to be in a low-rank subspace, because of its repetition structure and singing voices can be regarded as relatively sparse within songs. * Based on the above assumption, proposed a robust principal component analysis for singing-voice separation from music accompaniment. |

|  |
| --- |
| **SCHOLASTIC ACHIEVEMENTS** |
| * Secured 987 rank in Gate-2014 in ECE branch. * Selected for INFOSYS campus connect program during 2011-12. * Achieved NATIONAL MERIT SCHOLORSHIP by Govt of INDIA (MHRD) for academic excellence in 12th standard. * Achieved 299/300 in 4 Mathematics subjects in Intermediate. * Stood 1st in my school in SSC 2007 examination with 539 marks. * Secured 1st prize in a Chekumuki Talent (Mandal level) test conducted by Jana Vijnana Vedika. * Stood 1st in Talent Tests conducted by ‘Ramanujan Mathematics Academy’ during the years.2003,2004. * Won 1st prize in the SIR C.V.Raman Science Parishad Talent Test 2004. |

|  |
| --- |
| **POSITION OF RESPONSIBILITY** |
| * Mentoring Juniors in the team to make them understand the tools and procedures used by the team. (From 2018) * Teaching Assistant for Digital Communication networks lab and assisted in doing lab experiments. (2014-16) * Assisted in maintaining ECE department library in B.Tech. (2010-12) |
|  |
|  |  |
|  |  |

|  |
| --- |
| **CERTIFICATIONS** |
| * Completed “Devops” training from cognixia and earned the certificate. This training covers CI and CD in Jenkins, Docker, AWS, ELK stack, Chef and puppet. * Audit certificate for the courses “HTML5” (coursera) , “Introduction to Linux” (edX) |

|  |  |
| --- | --- |
| **INTERESTS** | |
| Academics | Solving programming questions ( <https://www.hackerrank.com/chakri_learner> )  Solving puzzles |
| Sports/ Games | Table Tennis, Trekking, Chess |

**ACADEMIC ACHIEVEMENTS**