

VAMSI KRISHNA REDDY SATTI

Résumé / CV - October 2021

CONTACT	Primary Email: vamsi3@outlook.com Google Account: vamsi2519915 Github: github.com/vamsi3 LinkedIn: linkedin.com/in/vamsi3 Website: vamsi3.github.io Project ZEN: vamsi3.github.io/zen		
WORK	Samsung Electronics, South Korea (HQ) Oct 2020 – Present <i>Mobile Communications Division Software Engineer</i> Language – Java Framework – Spring Boot, Mockito Cloud – AWS, Kubernetes - Working at the intersection of Bixby (AI cloud) and SmartThings (IoT cloud) to control IoT devices via voice. - Involves development of microservice to search and execute appropriate devices from voice commands. - Achieved <u>S/W Professional Level</u> internal coding certification and received additional monetary benefit. - Experience with handling large code (4+ years old) including new features, unit tests, bug fixes, making deployments using pipelines, monitoring health and a primary programmer for the current major <u>refactor</u> . Samsung Electronics, South Korea (HQ) Software Engineer Intern May 2019 – Jul 2019 - Worked on improvements to automations in SmartThings. Received a <u>job offer</u> in recognition of my work. Ubisoft, India Game Developer Intern May 2018 – Jul 2018 - Integrated ad SDKs into a game in both Android, iOS. Improved save progress feature in server (Node.js).		
EDUCATION	Indian Institute of Technology (IIT) Bombay Aug 2016 – Nov 2019 <i>B.Tech. in Computer Science and Engineering CGPA: 9.13/10</i> (Early Graduate) Competitive Programming – C++ Machine / Deep Learning – Python, NumPy, PyTorch - <u>Teaching Assistant (TA)</u> in CS-152: Abstractions and Paradigms course with Prof. Sanyal in Spring 2018. - Bachelor's Project: "Towards Single-Shot Multi-Person 3D Human Pose Estimation" with Prof. Arjun Jain and Prof. Ganesh on anchor-pose approaches to SSD using Facebook AI's maskrcnn-benchmark repository. - 10/10 in AI & Machine Learning, Advanced Machine Learning, Deep Learning, Computer Vision, Linear Algebra, Logic in Computer Science + Programming component of all Computer Science courses I had taken. Andhra Pradesh Board of Intermediate Education Percentage: 98.2% Jun 2014 - Mar 2016 Central Board of Secondary Education CGPA: 10/10 Jun 2012 - Mar 2014		
COMPETITIVE CODING	ICPC Rank 27 - 2020 Asia Amritapuri (Online) Rank 11 - 2020 Asia Kharagpur (Online) Rank 70 - 2019 Asia Amritapuri Rank 18 - 2018 Asia Chennai Rank 36 - 2018 Asia Amritapuri FB Hacker Cup 2021 Round 1 - Rank 700 2019 Round 2 - Rank 836 2018 Round 2 - Rank 967 Google Codejam 2021 Round 1A - Rank 884 Google Foobar Finished all 5 levels in 2018 Google Kickstart 2021 Round G - Rank 84 2020 Round F - Rank 386 2019 Round G - Rank 159 2019 Round F - Rank 79 2019 Round E - Rank 75 2018 Round A - Rank 151 Project Euler Rank 2229 (top 0.21%), by solving <u>210</u> challenging mathematics + algorithm problems Codeforces Rating 2053 max. (<u>Candidate Master</u>) – Best ranks include 16, 77, 81 in Div 2 contests Codechef Rank 974 (Global) - Best ranks include 8, 15, 19, 20, 34, 41, 55, 90 in Long Challenges SnackDown 2021 Round 1A - Rank 63 DS & Algorithms Certified (Advanced) 2020 Project ZEN My reference website of self-written codes since graduation (2020 – Present) related to Competitive Programming and also includes Deep Learning, Image Processing, etc.		
ML + IMAGE PROCESSING	CS-335: AI & Machine Learning (in Python + NumPy) 2019 Implemented Feed-Forward + Convolutional Neural Nets, Ridge and Lasso regression, K-means clustering, Ensemble methods (Bagging + AdaBoost), Agents (Value / Policy Iteration), Minimax algorithm + A* search pix2pix: Image-to-Image Translation - paper by Phillip Isola <i>et al.</i> implemented using PyTorch 2019 Image Quilting: Texture Synthesis and Transfer - paper by Alexei A. Efros <i>et al.</i> using MATLAB 2018 Simple GAN - Generative Adversarial Neural Network (GAN) on MNIST dataset using PyTorch 2018 Image Processing & Editing Tool - Spatial image processing like blur, histogram equalization etc. 2017		
HONORS	IIT-JEE Advanced Rank 20 across all of India among 1.2 million examinees for admission into IITs 2016 NEST Rank 2 across all of India, the test for science university admissions (IISERs) 2016 AP-EAMCET Rank 1, the test for university admissions by Govt. of Andhra Pradesh, India 2016 TS-EAMCET Rank 10, the test for university admissions by Govt. of Telangana, India 2016 KVPY Fellowship Rank 26, by Department of Science and Technology, Govt. of India 2014 NTSE Scholarship Rank 158, by Ministry of Human Resource Development, Govt. of India 2012		
LANGUAGES	Native – Telugu Fluent – English, Hindi Basic – Korean		
	CITIZENSHIP	India	