









VAMSI KRISHNA REDDY SATTI

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CONTACT	Email: vamsi3@outlook.com Gmail: vamsi2519915@gmail.com Website: vamsi3.github.io Current Residence: Suwon-si, Gyeonggi-do, South Korea LinkedIn: vamsi3 GitHub: vamsi3							
WORK EXPERIENCE	<div> Samsung Electronics (HQ), South Korea (Onsite) Software Engineer Artificial Intelligence (AI) Team, Mobile Division Language — Java, Kotlin Tools — Spring, Mockito, CI/CD, Docker, Kubernetes, LLMs</div> <div><ul style="list-style-type: none">- Working at the intersection of Bixby (AI cloud) and SmartThings (IoT cloud) to control IoT devices <i>via</i> voice.- Experience with handling large code involving new features, unit tests, bug fixes, deployments, <i>etc.</i>, with broad experience in complete lifecycle of projects with backend services from ideation to deployment.- Worked on a microservice to search and execute devices through SmartThings from user's IoT utterance.- Developer for the Bixby Home Platform - primarily involved with the backend code and infrastructure.- Refactored new device-search microservice from existing services on Bixby Home Platform during internal cloud migration. Developed new features supporting fuzzy & advanced search after migration.- Working on new recommendation features together with the product team. Developing new microservices with graph databases to support the new personalized recommendations for users in Bixby.- Developer for LLM integration into Bixby, part of a core team working on IoT device control with LLM.- Received EX (Excellent - 100%) grade in 2022,24 annual reviews, limited to less than 10% of employees.- Cleared both NLP and Computer Vision (Advanced) within Samsung's internal AI certification program.- Achieved <u>S/W Professional Level</u> and <u>Data Science Level 2</u> internal certifications with monetary benefit.- Organized official study groups to mentor new employees on Software Engineering and Data Science.</div> <div><table><tr><td>Samsung Electronics (HQ), South Korea (Onsite)</td><td>Software Engineer Intern</td><td>May 2019 — Jul 2019</td></tr><tr><td>Ubisoft Entertainment, India (Onsite)</td><td>Game Developer Intern</td><td>May 2018 — Jul 2018</td></tr></table></div>	Samsung Electronics (HQ), South Korea (Onsite)	Software Engineer Intern	May 2019 — Jul 2019	Ubisoft Entertainment, India (Onsite)	Game Developer Intern	May 2018 — Jul 2018	Oct 2020 — Present
Samsung Electronics (HQ), South Korea (Onsite)	Software Engineer Intern	May 2019 — Jul 2019						
Ubisoft Entertainment, India (Onsite)	Game Developer Intern	May 2018 — Jul 2018						
EDUCATION	<div> Indian Institute of Technology (IIT) Bombay, India (Onsite) B.Tech. in Computer Science and Engineering CGPA: 9.13 / 10 Competitive Programming — C++ Machine / Deep Learning — Python, NumPy, PyTorch</div> <div><ul style="list-style-type: none">- India's most reputed and competitive university for STEM, and especially Computer Science.- Teaching Assistant (TA) in CS-152: Abstractions and Paradigms course with Prof. Sanyal in Spring 2018.- Project: Human Pose Estimation using anchor-pose approaches to FAIR's Detectron with Prof. Arjun Jain- 10/10 in programming component of all Computer Science courses I had taken during my entire study.- 10/10 in Advanced Machine Learning, Deep Learning, Computer Vision, Linear Algebra, Computer Logic</div>	Aug 2016 — Nov 2019 (Early Graduate)						
SELECT PROJECTS	<div>Screen Translator (48★) - Android App built with Kotlin, modern Jetpack tools and Compose UI ~ <i>active</i></div> <div>Algorithm Library - Collection of my algorithm implementations in Kotlin for coding competitions ~ <i>active</i></div> <div>Project ZEN - My website of knowledge across software development (auto-deployed with CI/CD) ~ <i>active</i></div> <div>Reinforcement Learning - UCB, KL-UCB, Thompson Sampling, Howard's Policy Iteration for MDP 2019</div> <div>AI & Machine Learning - ConvNets, SVM, K-means, Ensembles, Learning Agents, A* search <i>etc.</i> 2019</div> <div>pix2pix: Image-to-Image Translation - paper by Phillip Isola <i>et al.</i> implemented using PyTorch 2019</div> <div>Compilers - Scanner, parser and a semantic analyzer for a subset of C language using Flex, Bison 2019</div> <div>Database Systems - SQL queries, schema design for mobile/web apps, use of connectors (JDBC) 2018</div> <div>Computer Networks - Implemented Spanning Tree Protocol, SimpleFTP using sockets <i>etc.</i> 2018</div> <div>Computer Graphics - A tiny music-box animation rendered and created wholly using OpenGL 2018</div> <div>Eclipse OJ - First experience on development of full-stack Django web application and UI 2017</div>							
COMPETITIVE PROGRAMMING	<div> ICPC  Google Codejam  Google Kickstart  Meta HackerCup  Project Euler  Codeforces  Codechef</div>	Rank 27 - 2020 Amritapuri (Online) Rank 11 - 2020 Kharagpur (Online) Rank 70 - 2019 Amritapuri Rank 36 - 2018 Amritapuri Rank 18 - 2018 Chennai 2022 Round 1C - Rank 603 Google Foobar Finished all 5 levels in 2018 2022 Round C - Rank 62 2022 Round A - Rank 155 2021 Round H - Rank 57 2021 Round G - Rank 83 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 2023 Round 1 - Rank 467 2022 Round 2 - Rank 1232 2021 Round 2 - Rank 1690 2019 Round 2 - Rank 836 2018 Round 2 - Rank 967 Rank 2258 (top 0.21%), by solving 219 challenging mathematics + algorithm problems Rating 2053 <i>max.</i> (Candidate Master) — Best ranks include 16, 77, 81 in Div 2 contests Rank 988 (Global) - Best contest rankings include World Rank 8, 15, 19, 20, 34, 41, 55 SnackDown 2021 Round 1A - Rank 63 DS & Algorithms (Advanced) Certified 2020						
ACHIEVEMENTS	<div>IIT-JEE Advanced - Rank 20 across all of India among 1.2 million examinees for admission into IITs 2016</div> <div>NEST - Rank 2 across all of India, the test for science university admissions (IISERs) 2016</div> <div>AP-EAMCET - Rank 1, the test for university admissions by Govt. of Andhra Pradesh, India 2016</div> <div>TS-EAMCET - Rank 10, the test for university admissions by Govt. of Telangana, India 2016</div> <div>KVPY Fellowship - Rank 26 by DST, Ministry of Science and Technology, Govt. of India 2014</div> <div>NTSE Scholarship - Rank 158 with monetary benefit by Ministry of Education, Govt. of India 2012</div>							
LANGUAGES	Trilingual — తెలుగు, English, हिन्दी Beginner — 한국어 TOPIK Level 2 (¹⁹¹ / ₂₀₀)							
	CITIZENSHIP	India						