































SATTI VAMSI KRISHNA REDDY

Résumé - January 2026

CONTACT	Email: vamsi3@outlook.com  Gmail: vamsi2519915@gmail.com 	Website: vamsi3.github.io  Residence: Bengaluru, India 	LinkedIn: vamsi3  GitHub: vamsi3 
WORK EXPERIENCE	<div> Google DeepMind, India Onsite <i>Senior Software Engineer (L5) – Machine Learning Gemini Team</i> Languages – C++, Python Tools – Bazel, gRPC, JJ, other Google internal tools - Driving development of key Gemini features, from agentic systems and i18n to student tools. - Shipped high-quality Workspace integrations for i18n users by upgrading to new internal frameworks. - Owned the backend internationalization for Scheduled Actions , enabling its successful global launch. - Launched LaTeX PDF generation in Gemini Canvas , driving the feature from RFC to launch by leading cross-functional efforts across UX and marketing teams. <i>Featured in Chrome Unboxed  and Google Blog .</i> - TL for health & wellness in Gemini, engineering scalable backend infrastructure for best user experiences.</div> <div> Samsung Electronics (HQ), South Korea Onsite <i>Software Engineer – Backend & Infrastructure AI Team, Mobile Division</i> Languages – Java, Kotlin Tools – Spring Boot, Gradle, Docker, K8s, LLM - Engineered backend services at the intersection of Bixby (AI) and SmartThings (IoT) clouds. - Led the end-to-end integration of LLMs into Bixby, enabling complex, natural language device control. - Architected a new device search & execution microservice during a cloud migration, introducing fuzzy and advanced search capabilities to improve device discovery. - Developed a recommendation engine using graph databases to deliver personalized user experiences. - Received top performance rating ('Exceeds Most'), awarded to <10% of employees (2021, 2023). - Initiated and led official study groups to mentor new employees on Software Engineering & Data Science. - Achieved advanced certifications (NLP, CV, Data Science) with US \$10,000 in certification bonuses.</div>		
EDUCATION	<div> Indian Institute of Technology (IIT) Bombay, India Onsite <i>B.Tech. in Computer Science and Engineering CGPA: 9.13 / 10</i> Competitive Programming – C++ Machine / Deep Learning – Python, NumPy, PyTorch - India's most reputed and competitive university in STEM. <u>Ranked 118 in QS World University Rankings</u> - Project: Human Pose Estimation using anchor-pose approaches to FAIR's Detectron with Prof. Arjun Jain - Student Instructor in CS-152: Abstractions and Paradigms course with Prof. Sanyal in Spring 2018 - 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, etc...</div> <div>Aug 2016 – Nov 2019 <i>(Early Graduate)</i></div>		
SELECT PROJECTS	<div>Digital Garden  My writings on technology, software engineering and programming 2020-now Screen Translator (88★)  Android App built with Kotlin, Jetpack tools and Compose UI 2022-2024</div> <div>Reinforcement Learning  - UCB, KL-UCB, Thompson Sampling. Howard's Policy Iteration for MDP 2019 AI & Machine Learning  - ConvNets, SVM, K-means, Ensembles, Learning Agents, A* search etc. 2019 pix2pix: Image-to-Image Translation  - paper by Phillip Isola <i>et al.</i> implemented using PyTorch 2019 Compilers  - Scanner, parser and a semantic analyzer for a subset of C language using Flex, Bison 2019</div>		
COMPETITIVE PROGRAMMING	<div> ICPC  Rank 27 - 2020 Amritapuri (Online) Rank 11 - 2020 Kharagpur (Online) Rank 70 - 2019 Amritapuri Rank 36 - 2018 Amritapuri Rank 18 - 2018 Chennai</div> <div>Google Codejam  2022 Round 1C - Rank 603 Google Foobar Finished all 5 levels in 2018 Google Kickstart  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</div> <div>Meta HackerCup  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</div> <div>Project Euler  Rank 2430 (top 0.18%), by solving 232 challenging mathematics + algorithm problems Codeforces  Rating 2053 max. (Candidate Master) — Best ranks include 16, 77, 81 in Div 2 contests Codechef  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</div>		
ACHIEVEMENTS	<div>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 DST, Ministry of Science and Technology, Govt. of India 2014 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		