SAI SATWIK KUPPILI

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WORK EXPERIENCE

R&D Member of Technical Staff, VMware

📅 July, 2020 - Present   📍 Remote Location, India

Search Java, Elasticsearch, Opensearch, JavaScript

- Involved in complete SDLC phases which include Analysis, Design, Implementation, Testing, Maintenance, Enhancement and Post Production Support for Global Search functionality on VMware NSX-T.
- Designed, developed and maintained Global Search UI and back-end, Advance Search and Advance Filter functionalities written in Javascript, Java, Opensearch as the core search platform.
- Contributed to the major enhancements in Search architecture which overall improved the re-indexing time and query execution time in scaled environments.

Telemetry and In-product Feedback JavaScript

- Created and designed Telemetry feature which helped to get the better insights into the user's activity on NSX-T product.
- Developed and implemented In-Product Feedback feature which helped to collect contextual feedback from the customers during the product experience.

Log Analyser Tool Python

- Developed an intelligent tool which parses the logs for the bugs/issues in Production and generates a summary out of it using Machine Learning. This helped bugs to get assigned to the right team for further investigation without any delay.

R&D Intern, VMware

📅 Jan 2020 - June 2020   📍 Pune, India

NLP Search on NSX-T Java, Python, Rasa, AngularJS

- Developed a tool which extends the global search functionality of the NSX-T Data center beyond free text and DSL search and enabling users to specify the query in a more natural way.
- With this tool, user entered natural language input will be converted into the query that is understood by the underlying system.

PATENTS AND PUBLICATIONS

2021

- Priyanka Luthra, **Sai Satwik Kuppili** et al. Database-Platform-Agnostic Processing of Natural Language Queries, filed July 23, 2021, and grant pending.

2020

- **Sai Satwik Kuppili** et al. An Upper Bound for Sorting R_n with LRE. 10th IACC accepted my paper for Oral Presentation and publication in **Springer CCIS Lecture Notes**.
- **Sai Satwik Kuppili**., Bhadrachalam C. Exact Upper Bound For Sorting R_n with LE. Accepted for publication at **Discrete Mathematics and Algorithms Journal**.

2019

- DK Das., Bhadrachalam C., **Sai Satwik Kuppili**. An Upper Bound For Sorting Permutations With A Transposition Tree. 3rd CO-CONet, India accepted my paper for Oral Presentation and publication in the **Elsevier Procedia Computer Science Journal**
- **Sai Satwik Kuppili**., Bhadrachalam C., Srinath T. An Upper Bound for sorting R_n with LE. 3rd ICACDS, India accepted my paper for Oral Presentation and publication in **Springer CCIS Lecture Notes**.

AWARDS

- **Gold Medalist** in Computer Science and Engineering (2016-2020) at Amrita University.
- Received **Achieve Our Award** for delivering best quality features on time and keeping quality bar high.
- Received **Best Paper Award** in Computing Track out of 306 accepted papers at CoCoNet-2019 Conference.
- Received **R&D best coder award** for showing exceptional coding skills at 2020 India New Graduate Bootcamp.
- My team won the **R&D best project award** for exceptional project submission on "Bootcamp Management System" at 2020 India New Graduate Bootcamp conducted by VMware Technical Education.
- My team selected for **ACM-ICPC 2019 Kanpur Regional**.
- Got **Proficiency Award** in my first year of B.Tech for securing the highest rank in the academic year 2016-2017.
- Secured rank 159 from total participation of 55,654 in **TCS CodeVita Session 8**.

SKILLS

- **Programming Languages:** Java, Python, JavaScript, C++, C
- **Web:** HTML, CSS, AngularJS
- **Database/Datastores:** MySQL, PostgreSQL, Corfu, Elasticsearch, Opensearch
- **VCS:** Git
- **Platforms:** Mac, Linux, Windows

EDUCATION

P.G. Programme in ML and AI

Indian Institute of Information Technology, Bangalore

📅 January 2022 - February 2023

B.Tech in Computer Science and Engineering

Amrita Vishwa Vidyapeetham, Kollam

📅 July 2016 - May 2020 CGPA: **9.75/10**

PERSONAL

- **Date of Birth:** 27th November, 1998
- **Interests:** Teaching, Music, Cricket
- **Location:** Visakhapatnam, Andhra Pradesh, India