

Venkata Subba Narasa Bharath Meadam

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EDUCATION

- **Stony Brook University** Aug'19 – May'21
Master of Science In Computer Science
– **Relevant Coursework** – Data Science Fundamentals, Operating Systems, Algorithms.
- **Shiv Nadar University** GPA: 8.24/10
B.Tech in Electronics And Communication Engineering Aug'13 – May'17

PUBLICATION

[POSTER] MVSN Bharath , Srinivasmurthy K Venugopal, "An IoT Platform for mesh-of Printers and mash-up of Services", 2018 HP DSKD Conference Vancouver, Washington.

EXPERIENCE

- **Hewlett Packard Inc, PPS R&D Hub** Bengaluru, India
Software (Cloud) R&D Engineer I Sep'17 – Jul'19
 - Designed and Implemented **RESTful web-services** for **cloud printing** for the next-gen HP Printers using Spring framework and deployed in **AWS** to support a load of 10 million printers with minimum latency.
 - Enhanced the Core Connectivity Layer of HP's Web Print Platform to **reduce infra cost** and delivering better performance. Reduced the infra cost by 18% by **optimizing the TLV packet** exchanged between the HP printer and the cloud.
- **Software Engineer Intern** Jan'17 – Aug'17
 - Made a POC on "Enabling web services on HP's Inkjet printer using AWS IoT" which could be plugged into HP's existing cloud infrastructure.
- **Shiv Nadar University** New Delhi, India
Teaching Assistant Sep'16 – Dec'16
 - TA for the course Digital Electronics taught by Prof. R.N. Biswas in my senior year.
- **Student Tutor** Sep'15 – Aug'16
 - Student tutor for Calculus I & Calculus II during sophomore and junior year respectively.

TECHNICAL SKILLS

Programming : Java, Spring, Hibernate, C, Python, MATLAB, SQL
Technologies and Frameworks: AWS, DynamoDB, IoT, EC2, Maven, Git, REST
Data Science : Numpy, TensorFlow, Pandas, Scikit-Learn, Keras, Open CV, Caffe
Operating Systems : Windows, Linux, macOS

ACADEMIC PROJECTS

- **Design and implementation of Dynamic Memory Allocation**
 - Implemented dynamic memory allocation of the heap in C programming for efficient usage of memory on a Unix platform.
 - The design of the algorithm is the way to **optimize the throughput and fragmentation** of the allocated memory. **Created own versions of malloc, realloc and free for the x86-64 architecture.**
- **Alexa Voice Skill for smart diagnosis(printer)**
 - Developed an Alexa Voice Skill to diagnose web-connected HP printers.
 - Deployed the voice skill in AWS Lambda and the backend API's on AWS EC2 and AWS Dynamo DB for the database.
- **Custom Movie Thumbnail icon**
 - Built a **recommendation system** to give a custom movie thumbnail icon based on their interests.

ADDITIONAL SKILLS/QUALIFICATIONS

- Deep Learning Specialization (Coursera) Mar'18
- Machine Learning (Coursera) Jul'17

EXTRA CURRICULAR ACTIVITIES

- Secured 100% merit scholarship for the entire undergraduate study New Delhi
- Led the team to create the Tallest Mosaic Art in India using Rubik's Cubes New Delhi
- All India 1st prize in National Level Abacus competition held by SIP Prodigy. (1st among 5000 participants) Mumbai