S. SRIVATHSAN

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EDUCATION

School of Computing, SASTRA Deemed University, Thanjavur, India May 2020
- **Bachelor of Technology** in **Information and Communication Technology** **CGPA-7.53**
- **Coursework:** Algorithms and Data Structures, Database Management System, Computer Networks, Operating Systems, Software Engineering, Cryptography and Network Security, Data Mining and Data Warehousing, Machine Learning, Big Data Analytics, Cloud Computing.

Kendriya Vidyalaya Ashok Nagar, Chennai, India May 2016
- Secured **449/500(89.8%)** in the 12th Standard CBSE Board Exam with School Topper in Physics

Kendriya Vidyalaya Ashok Nagar, Chennai, India May 2014
- Secured **10 CGPA** in the 10th Standard CBSE Board Exam

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Golang, Python, Java.
- **Front End Frameworks:** HTML, CSS, ReactJS, Django
- **Backend Frameworks:** Golang, ExpressJS
- **Database:** MySQL, Postgres, Oracle, MongoDB
- **DevOps:** Google Cloud, AWS
- **Mobile App Development:** Flutter, Ionic Framework
- **Tools:** Git, Linux
- **Others**: Blockchain (Hyperledger), Quantum Programming (Qiskit , Q#)

EXPERIENCE

Full Time – TCS Chennai Nov 2020
Systems Engineer
- Working for Kemper Insurance in BFSI Domain.
- Gained expertise in Unix and PLSQL Tech Stack.

Freelance Developer – Freezon Labs August 2020
Full Stack Developer
- Worked on developing an Invoice Processing AI in React and Flask called Finvoice.
- Additional Technologies used include MinIO Data Lake, Google APIs, Custom OAuth Server and TensorFlow.

Intern – TCS Digital January 2020
Project Intern
- Worked on developing a mobile app in Flutter framework for Client
- Analyzed on ways to Unit and Integration test flutter apps and deploying a CI pipeline

Intern – Poornaprajna Institute of Scientific Research, Bengaluru May 2019
Quantum Computing Research Internship
- Understood various mathematical and physics tools used in quantum computing
- Researched on ways to generate pseudo random numbers from mobile phones data

Intern – Synergita Systems November 2018
Machine Learning Internship
- Understood various concepts in Natural Language Processing
- Created a program to automatically categorize company support tickets into various departments using NLP

PROJECTS

iGEM 2019 June 2019
- Represented the college and won Silver Medal in International Genetically Engineered Machine, 2019.
- Developed the Project Website and Machine Learning Classifier for identifying optimal toehold switch design based on physical parameters towards detection of cervical cancer markers.
- Project Wiki: 2019.igem.org/Team:SASTRA_Thanjavur ,Toehold: sas.sastra.edu/rnatoedesign

SASTRA Mess App   Jan 2019
- Developed a Mobile app for ordering food in college mess
- Full stack development of the app with Golang backend, Postgres Database and Heroku Deployment

National Disaster Management App   September 2018
- Developed a mobile application as part of SASTRA University for the Govt of Tamilnadu for the use of city of Thanjavur

Google Developer Student Community
- Part of the team that developed both Frontend and Backend For Intercollege Fests
- Part of the team to develop Mobile App for DSC Sastra
- Manage of Github Repo of DSC Sastra Org (PR,QC,Teams)

Freelancing
- Developed websites and mobile apps for various Small and Medium Scale Businesses on a freelance basis

Open Source Development
- Contributed to various Open source projects on GitHub
- Created Chrome Extensions for auto filling SASTRA forms
- Mobile Applications for projects and commercial use
- Personal Portfolio at www.vathzen.in and deployment in AWS Console
- Documentation and Code of above and other projects at Github.

PUBLICATIONS

- **S. Srivathsan,** B.Sreenithi, J.Naren, **Detection and Prediction of Schizophrenia Using Magnetic Resonance Images and Deep Learning** , Cognitive Informatics and Soft Computing. Advances in Intelligent Systems and Computing, vol 1040. Springer, Singapore

- K.Sairam, J.Naren, Dr. G. Vithya, **S.Srivathsan**, **Computer Aided System for Autism Spectrum Disorder Using Deep Learning Methods**, International Journal of Psychosocial Rehabilitation, Vol 23 Issue 1,2019

- J. Naren, Dr.G. Vithya, **S. Srivathsan**, Bharath Reddy, **Supporting Individuals with Autistic Spectrum Disorder with Various Technologies: A Review**, International Journal of Psychosocial Rehabilitation, Vol 23 Issue 1,2019

CERTIFICATIONS

- **Google Cloud Platform Specialization (Coursera)**:
    - Google Cloud Platform Fundamentals: Core Infrastructure
    - Essential Google Cloud Infrastructure: Foundation
    - Essential Google Cloud Infrastructure: Core Services
    - Elastic Google Cloud Infrastructure: Scaling and Automation
    - Reliable Google Cloud Infrastructure: Design and Process
- **IBM Blockchain Foundation for Developers (Coursera)**: Offered by IBM
- **The Introduction to Quantum Computing (Coursera)**: Offered by St. Petersburg State University
- **QSilver and QBronze**: Offered by QWorld

POSITIONS OF RESPONSIBILITY

- Senior Member, Computer Society of India (CSI)
- Core Member, Google Developer Student Community, SASTRA Edition
    - Conducted GitHub Workshop for DSC Members, November 2019
    - Conducted Online Seminar on Graphic Design in Photoshop to over 700 members as part of DeveLUp Series, DSC Sastra.
    - Participated and Organized in Various Others Workshops under the same banner.

EXTRA CURRICULARS

- Part of Limca Record winning team as part of Meme Marathon, 2018 by creating over 20,000 memes.
- Developed Online Library of my books collection with Calibre Suite at books.vathzen.in hosted in AWS
- Published Articles in Medium as part of DSC SASTRA Publication