

EDUCATION

Dual Degree (Btech + Mtech) Computer Engineering, CGPA: 8.89/10 (2015 - 2020)
Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram

Class XII, Percentage: 91.8% , Kendriya Vidyalaya AFS Uttarlai (2013 - 2014)

Class X, CGPA: 10/10, Kendriya Vidyalaya AFS Uttarlai (2011 - 2012)

WORK EXPERIENCE

Engineer, Backend Server (Jan 2021 - Present)
Samsung R&D Institute India-Delhi  Noida

- **Tech Stack:** Microservices, Scala, Redis, Postgres, AWS, Kubernetes, Cloud System Design
- **Server Design and Development:** Designed microservice based softwares, which collects data from several continents to empower Samsung TV+ services. Developed a new system to process data in any json format for expansion of core business. Also ensured easy integration of newly created system into existing one.
- **System Designing:** Redesigned core systems which not only fixed all the legacy issues but also provided a better scalability and correctness. The system processes more than 100Gb of data every day.
- **Innovation:** Actively involved in suggesting and planning events to promote innovation culture in the department. Focused on inter and intra team innovations as well as innovations for Samsung TV+. Planned events for promoting out-of-box thinking in the department.

Network Analyst (Intern) (May 2018 - July 2018)
GAVS Technology  Chennai

- **Tech Stack:** Lua, C++, Kafka, Solr
- Established data pipeline from customised open source software to solr server, transferring hundreds of record per second.

SELECTED PROJECTS

Resource-Efficient and High-Throughput FPGA-based Multi-match Packet Classification Architecture for NIDS (Final Year Project) IIITDM Kancheepuram (Nov'19 - July20)
Work submitted to the journal of Computer Systems Science and Engineering (A short summary of work [here](#)). Supervised by [Dr Noor Mahammad SK](#), supported by Ministry of Electronics and Information Technology, Govt. of India

Privacy Preserving Public Auditing with Data Deduplication for Secure Data Storage in Fog to Cloud based IoT (Cryptography Research Intern) IDRBT, Hyderabad (May - Sep19)
Researched on Data Integrity and Deduplication in fog to cloud based IoTs ([link](#)), Supervised by [Dr P Syam Kumar](#)

Waste Management System IIITDM Kancheepuram (July'16 - Nov'17)
Worked towards minimising litter around Dustbins. Spent hours sitting close to trash cans observing how people behaved around them.

AWARDS, HONORS & VOLUNTEER EXPERIENCES

GWP Agent, Samsung R&D Institute - Delhi (2023)

Ford CSAM IoT Security Paper Presentation ([link](#)), Won Best Paper Award (2019)

GATE (Graduate Aptitude Test in Engineering), All India Rank 1855 (2019)

Volunteer (organizing team)-World Space Week, ISRO-SHAR (4 - 10 Oct 2016)

School Captain, Kendriya Vidyalaya AFS Uttarlai (2013 - 2014)

School Vice Captain, Kendriya Vidyalaya AFS Uttarlai (2012 - 2013)

SKILLS

Programming Languages	Scala, Python, Java, C++
Cloud and Software Technologies	Microservices, System Design, Kubernetes, Docker, AWS
Databases	Redis, PostgreSQL
Tools	Git, Jenkins, Kibana, Grafana, Sensu, IntelliJ, PyCharm, Visual Studio, \LaTeX
Additional Skills	Research, Innovation, Event Management

HOBBIES AND LANGUAGES

Hobbies Reading Comics, Reading books, Painting, Doodling

Languages Hindi (*native*), English