

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	
<ul style="list-style-type: none">• Tech Stack: Microservices, Scala, Redis, Postgres, AWS, Kubernetes, Cloud System Design• <i>Server Design and Development:</i> Designed and deployed microservice based softwares, which handled data from all over the world.• <i>System Designing:</i> Designed stable and flexible systems which performs well even under high loads of traffic. Redesigned existing core systems which not only fixed all the legacy issues but also provided a better scalability and correctness.• <i>Innovation:</i> 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.• Developed new features and services for Samsung TVs. Developed systems to generalize data for business expansion.	
Network Analyst (Intern)	(May 2018 - July 2018)
GAVS Technology	
📍 Chennai	
<ul style="list-style-type: none">• Tech Stack: Lua, C++, Kafka, Solr• Worked in the field of automation and networking. Worked with Information Management Systems.• Studied and customised open source network monitoring softwares.	

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 and analysing 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, AWS,
Databases	Redis, Postgres
Tools	Git, Kibana, Grafana, Sensu, IntelliJ, PyCharm, Visual Studio, L ^A T _E X
Additional Skills	Research, Innovation, Event Management

HOBBIES AND LANGUAGES

Hobbies	Reading Comics, Reading books, Painting, Doodling
Languages	Hindi (<i>native</i>), English