

Srinidhi Nagendra — Résumé

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Experience

- **AMD** **Bangalore, India**
Staff Engineer *Nov 2024–Present*
Part of AMD Research team working on performance modelling and optimization of next generation processors.
- **MPI-SWS** **Kaiserslautern, Germany**
Research Scientist *Feb 2024–Nov 2024*
Building a testing framework to help Java developers automatically and certifiably find all bugs.
jmc.mpi-sws.org
- **Amazon Web Services** **Paris, France**
Applied Scientist Intern *June 2024–August 2024*
Improved code correctness from 50% to 60% using LLMs to automatically synthesize data transformation code in S3.
- **Unacademy** **Bangalore**
Software Development/Reliability Engineer *May 2018–July 2018*
 - Streamlined automatic service deployment and monitoring on AWS using Docker, Kubernetes, Terraform, Jenkins pipelines and Elastic Stack.
 - Developed internal platform libraries in Go to standardize microservice development.
- **BookMyShow (Bigtree Entertainment)** **Bangalore**
Software developer *Sept 2016–April 2018*
 - Backend feature development to tailor services to Indonesian Market
 - Developed Internal dashboards to monitor SMS delivery error rates
 - Deployment and monitoring of microservices on AWS using Ansible, Docker, and Jenkins pipelines.
- **Zoho** **Chennai**
Member of Technical Staff *May 2016–Sept 2016*
Frontend development for interactive visualizations in reporting product to enable new visualizations and customization - using Leaflet JS, Mapbox, D3, Peg JS.

Education

- **Universite Paris Cite (IRIF), Chennai Mathematical Institute** **Paris, Chennai**
PhD, Automated Testing of Distributed Protocol Implementations *2020–2024*
Advised by **Constantin Enea (LIX, Ecole Polytechnique)**, **Mandayam Srivas (CMI)**
- **Chennai Mathematical Institute** **Chennai**
M.Sc. Computer Science, Graduated with a Medal of Excellence *2018–2020*
- **Amrita University** **Bangalore**
B.Tech Computer Science and Engineering *2012–2016*