

NAMAN DANGI

+1 (470) 662-0962 namandangi.live namandangi@gatech.edu [namandangi](https://www.linkedin.com/in/namandangi) [namandangi](https://github.com/namandangi)

EDUCATION

Georgia Institute of Technology Aug 2022 - May 2024 (Expected)
M.S. in Computer Science, Specialization: Computing Systems GPA: **3.87/4.0**
• **Graduate Teaching Assistant(GTA): CS8803 Mobile Apps & Services**

University of Mumbai Aug 2018 - May 2022
Bachelor of Engineering in Computer Engineering GPA: **9.29/10**

EXPERIENCE

Keysight, Software Engineer II (Intern) May 2023 - Aug 2023
• Configured Helm charts for **microservices** in the kubernetes cluster reducing deployment time by 20%.
• Shipped **full-stack** tasks end-to-end using Angular.js, Spring Boot, MySQL, and JUnit.
• Deployed on **AWS** clusters using Docker and **kubernetes**; ensured **CI/CD** using Jenkins and Argo.

Softsensor.ai, Software Engineer [📄: Design Document](#) Aug 2020 - Mar 2022
• Led 10+ **full-stack** developers in building **microservices** for an AI-driven cancer diagnostics system.
• Developed a visualization platform to support **big data** analytics using **GraphQL** and **REST APIs**.
• Built efficient data pipeline using **Airflow**, **AWS S3**, and **Lambda** for ETL jobs on large-scale images.
• Integrated an **inference pipeline** by deploying ML models using AWS EC2 and Amazon Sagemaker.

Unicode, Software Engineer (Open Source) Jan 2020 - Jul 2020
• Architected and hosted an information aggregation website saving \$20,000 in student counseling fees.
• Consulted 15+ developers in building and deploying applications using **React.js**, **Node.js** and **AWS**.

Mach15 Edge, Software Engineer Intern Aug 2019 - Oct 2019
• Engineered a **full-stack e-commerce website** for local businesses and integrated Stripe and Twilio APIs for payment processing and marketing campaigns.

PROJECTS

Recipe Planner
• Implemented ETL data pipelines with **Elastic Search** and **Logstash** for recipe recommendation by combining data from over 30,000 Walmart products and over 200,000 Food.com recipes.
• Engineered reverse image search by indexing image embeddings and built a recommendation system.

Mini Internet [🔗 nsg-ethz/mini_internet_project](https://nsg-ethz.github.io/mini_internet_project)
• Set up intra and inter routing between ASes, Data Centers, IXPs, and DNS Servers using OSPF and BGP.
• Issued Route Origin Authorization to mitigate the effects of BGP hijacks using RPKI.

Monolithic UNIX Operating System for x86
• Developed a boot sector for 16 bit real and 32 bit protected mode in Assembly using x86 ISA.
• Designing the Interrupt Service Routines, Virtual File System, and User Mode.

SKILLS

Languages:	Java, JavaScript, Python, C/C++, HTML
Databases:	PostgreSQL, MySQL, MongoDB, AWS DynamoDB, Redis
Libraries/Frameworks:	REST APIs, GraphQL, gRPC, Node.js, React.js, Spring Boot, Angular.js FastAPI, Kafka, Elastic Search, RabbitMQ, Celery, Airflow, CSS, SASS
Tools:	Git/GitHub, AWS, Azure, Kubernetes, Docker, Helm, Bash, Logstash, CI/CD

RESEARCH

Real-time Analytics on spatial images [🔗 namandangi/OSD-Analysis](https://namandangi.github.io/OSD-Analysis)
• Indexed annotations as vector embeddings in **PostGIS** to speed up spatial queries.
• Visualized large volumes of data in real-time using **RabbitMQ** and **Celery**.

Registration of spatial images [🔗 namandangi/osdAutoRegistration](https://namandangi.github.io/osdAutoRegistration)
• Implemented **Computer Vision** algorithms (ORB/AKAZE) to register two whole slides.