

# Ananth Ganesh Kamath

ananthkamath98@gmail.com | Rochester, New York, Unites Stated of America

## EDUCATION

### MASTER OF SCIENCE IN COMPUTER SCIENCE

ROCHESTER INSTITUTE OF  
TECHNOLOGY

Expected Grad. April 2025 | New York,  
USA

### BACHELOR OF ENGINEERING INFORMATION SCIENCE

VISVESWARAYA TECHNOLOGICAL  
UNIVERSITY

Grad. Sept. 2020 | Bangalore, India  
Dayananda Sagar Institutions  
Cum. GPA: 7.31 / 10.0

## LINKS

Blog:// [blog.ananthkamath.com](http://blog.ananthkamath.com)

Github:// [agk98](https://github.com/agk98)

LinkedIn:// [ananthkamath](https://www.linkedin.com/in/ananthkamath)

## SKILLS

### TECHNICAL SKILLS

Programming Languages:

Java, Python, Kotlin

Web Development:

HTML5, CSS3, Bootstrap

Frameworks:

Spring Boot, Flask, Camunda, RabbitMQ

Databases:

MongoDB, PostgreSQL, MySQL

Development Tools:

Git, IntelliJ, Eclipse, Visual Studio Code,

Jira, SonarQube

### SOFT SKILLS

Excellent:

- Multilingual (English, Konkani, Hindi, Kannada)

- Public Speaker

## PUBLICATIONS

[1] A. Kamath, D. Jayaprakash, S. Vignesh, S. R. Nadig, and S. K. Survey on 2d pose estimation on subject body via deep neural networks. *ICCCES 2020 Book of Proceedings, 2020.*

## WORK EXPERIENCE

### INFRRD

SOFTWARE ENGINEER

Sept 2020 - May 2023 | Bangalore, India

- Designed and implemented a solution by employing message-queuing to facilitate efficient load balancing for the system using priority queues to prioritize bulk document processing.
- Developed a vital feature for seamless Identity Provider (IdP) integration, using Spring Security SAML to establish secure communication and authentication by enforcing the SAML 2.0 protocol.
- Enhanced document processing speed by a remarkable 30% by orchestrating the integration of queue-based communication within an event-based architecture to seamlessly facilitate data flow among microservices and the NoSQL database.
- Engineered a customized Document Classification feature, employing a novel heuristic approach and intricate BPMN workflows. Played a pivotal role in onboarding new customers by offering configurable customization tailored to different client requirements.
- Revamped the NoSQL database scalability and data retrieval efficiency for large-scale document processing by introducing specialized collections. Implemented industry-standard storage management practices, that significantly improved system performance by over 50%.
- Engineered a Java Scheduled process for real-time monitoring and recalibration of the Field-Based Models' accuracy. Orchestrated MongoDB aggregation pipelines and a Java module to generate reports and automate email notifications, enhancing data processing and reporting capabilities.

### DATAKALP LLP

DATA SCIENCE INTERN

Jan 2020 - March 2020 | Bangalore, India

- Developed a full-stack Face Registration Application using Python and sqllite3, with an intuitive interface and functionality.
- Surveyed multiple State-of-the-art research papers to ascertain the best-performing face detection algorithm for the application.
- Devised a novel image filter in Python to measure the mathematical qualities of images by their noise, illumination, and contrast levels.

### DATALORE LABS

DATA SCIENCE INTERN

July 2019 - Aug 2019 | Bangalore, India

- Collaborated with a team to design and implement Python script that trained a Deep Learning model to classify different flower images.

## PROJECTS

### 2D POSE ESTIMATION OF SUBJECT BODY VIA DEEP NEURAL NETWORKS

- Collaborated with a team to design and implement a deep learning pipeline using Python to detect the pose of the person in the frames of a video.
- Created a pipeline to collect and annotate images, and improve the Object Detection model's performance with transfer learning.