

Chandana Sree Krishna

sreekrishnachandana@gmail.com | +1 8077074208 | Thunder Bay, Ontario, Canada

[LinkedIn](#) | [GitHub](#)

TECHNICAL SKILLS

Languages: C++, Java, Python, SQL, Kotlin, JavaScript, TypeScript

Frontend Development: HTML5, CSS3, React, Angular, Redux, Vite

Backend Development: Node.js, Express.js, GraphQL, Spring Boot, Kafka, Apache Spark

Databases: MySQL, SQL Server, Oracle, PostgreSQL, MongoDB, Snowflake, Firebase

Cloud Platforms: AWS (EC2), Azure

DevOps & CI/CD: GitLab, Jenkins, GitHub Actions

Testing: JUnit, Selenium

EDUCATION

Master of Science in Computer Science

Sep 2023 – Sep 2024

Lakehead University, Ontario, Canada

Bachelor of Technology in Computer Science Engineering

Aug 2017 – Jul 2021

IIT Palakkad, Kerala, India

EXPERIENCE

Senior Software Engineer at LTIMindtree

Oct 2021 – Jul 2023

- Engineered and deployed **masking techniques** to secure sensitive data in **MySQL**, **MSSQL**, **Oracle**, and **PostgreSQL** databases, ensuring a 25% decrease in unauthorized access attempts and maintaining compliance with data privacy regulations.
- Developed **Angular**-based UI and **Java**-based backend in PrivateEye (sensitive data discovery and classification tool). Incorporated **ML models** for document classification, improving document classification accuracy by 25%.
- Engineered **RESTful APIs** with comprehensive documentation using **Swagger**, facilitating seamless integration and third-party collaboration.
- Collaborated in ROPA review workshops using **OneTrust**, contributing to a significant 90% decrease in ROPA count and enhancing compliance review efficiency.
- Implemented automated CI/CD pipelines using **Jenkins** and **Maven**, enhancing deployment efficiency and code quality.

Graduate Engineer Trainee at LTIMindtree

Jul 2021 – Oct 2021

- Completed 120 hours of GDPR and CCPA training, enhancing understanding of data privacy regulations and facilitating compliance efforts.
- Attended 3-month training sessions on **Java**, **Spring Boot**, and **Angular**, acquiring foundational skills for software development projects.

Internship Trainee at UST Global

Jun 2020 – Jul 2020

- Improved the speaker recognition model for authentication by adapting The **You-Only-Speak-Once** model and integrating the **Resemblyzer (Python)**, resulting in a notable threshold improvement from 0.82 to 0.95.
- Created a **Streamlit**-based frontend to facilitate speaker management functionalities, resulting in a 30% reduction in registration time.

Intern at RBCCPS, IISC Bangalore

May 2019 – Jul 2019

- Successfully adapted and fine-tuned the **Yolo v3** model for Object Detection for Autonomous Vehicles on Indian Roads, resulting in a substantial increase in detection accuracy from 30% to 88% on a modified IDD dataset.

PROJECTS

Food Delivery Web App - Tomato

[GitHub](#)

- Developed a full-stack food delivery web app using the **MERN stack** and integrated the **Stripe payment** gateway, enabling secure online payments and order processing.
- Implemented user authentication and shopping cart features with **React.js** and **JWT**, allowing users to create accounts, log in, and place orders with real-time cart updates.
- Built a dynamic admin panel to manage menus, orders, and track order statuses, improving operational efficiency for restaurant management.

Blood Bank App - Vitaly

[GitHub](#)

Lakehead University

- Implemented profile management features in **Kotlin**, utilizing **Firebase** Authentication and Realtime Database for secure user information updates and profile picture uploads.
- Integrated **Glide** for efficient image loading and caching, optimizing the performance of profile picture handling and enhancing the user experience.
- Employed version control systems such as **Git** to manage source code, resulting in a 30% reduction in development time and facilitating seamless collaboration efforts.

Multi-Model Chat Recommendation System - IOTChat

[GitHub](#)

Lakehead University

- Spearheaded the development and implementation of a multi-model chat recommendation system for IoT, integrating **ChatGPT-4** and **Gemini Pro** AI models to recommend tutorial videos based on images of IoT devices, resulting in a 25% increase in user engagement and satisfaction.
- Managed seamless integration of external services, including **MongoDB** for data storage, **Twilio** for SMS notifications, and Google Cloud for Gemini Pro, and deployed the system on **Hugging Face**, resulting in a 30% increase in system scalability and efficiency.

Protein Classification

[GitHub](#)

Lakehead University

- Enhanced model accuracy by 15% through feature extraction optimization during exploratory data analysis (**EDA**) on protein sequences for machine learning (**ML**) models.
- Achieved a 20% increase in computational efficiency by fine-tuning ML algorithms within a **PySpark** framework for protein classification tasks, enabling faster processing of large-scale datasets.

CERTIFICATIONS

- BigID certification – Associate BizUser, Associate Operator, Associate Admin
- Udemy Certification in GDPR, CCPA
- Internshala Certification in Python

ACHEIVEMENTS

Top 6 finalists at Google DevFest hackathon, Lakehead University, for innovative student-professor connectivity solution.