

# ATHARVA KINIKAR

📞 +91 9422803010 | ✉ atharva.kinikar123@gmail.com | 🌐 atharva-kinikar | 📱 atharvakinikar

## Education

SCTR'S Pune Institute Of Computer Technology

2020 – 2024

Bachelor of Engineering in Information Technology

9.44 CGPA

## Experience

Barclays

June 2023 – August 2023

Summer Intern

- Worked in **RDS core API team** and developed a logging-portal application which utilizes Spring-Boot and enables users to download filtered logs from deployed pods to their client machines.
- Designed & implemented efficient algorithm to filter logs using correlation-id which significantly lowered processing time
- **Optimized concurrent requests** by eliminating file system resource reliance, **reducing response time by 40%**
- Implemented **centralized exception handling using ControllerAdvice** incorporating custom exceptions, and conducted **comprehensive unit testing using JUnit and Mockito**.

Decentro

February 2023 – May 2023

SDE Intern

- Developed advanced ML model utilizing YOLO for object detection & **integrated this model seamlessly with OCR**
- Significantly optimized Aadhaar-KYC API by implementing an efficient data extraction technique from Aadhaar Secure QR, resulting in a **remarkable reduction of around 10 seconds in the turnaround time**.
- Designed and implemented a highly accurate **in-house Aadhaar-Masking API** utilizing a ML model, achieving an impressive **accuracy of 98%** which obfuscates the first 8 digits of Aadhaar Number.

Seekmy Technology Private Limited

April 2022 – June 2022

Web Development Intern

- Used PostgreSQL, Node.js, Express.js and otp verification to implement authentication without login and register.
- Optimised queries using indexing and other query optimisation techniques which reduced the response time by 30%
- Collaborated with team members to design implement algorithms for slots creation, booking service, **IVR features**.

## Projects

**Sugarcane crop monitoring using satellite imagery** 🌀 | FastAPI,Go,PostgreSQL,Redis,ML **Sept 2023 - Ongoing**

- Collaborated with Carnot Technologies to design a **sugarcane crop monitoring application using satellite imagery**; integrated data management APIs, and optimized Redis Queue triggers and parcel-wise indices retrieval.
- Created **Metabase dashboards for weekly insights and mill onboarding**, and developed an Appsmith portal.
- Designed a **sugarcane yield prediction model with accuracy of 95% using earth observational data** and algorithms like SVM and Gradient Boosting, classifying data into prioritized buckets with adaptive prediction timelines.

**Acid-Base Disorders in the COPD patients** 🌀 | Python,Flask,Node.js,MongoDB,ML

**Oct 2022 - Nov 2022**

- Devised an algorithm which is based on several previous gold standard techniques,including **Henderson–Hasselbalch, Boston, Stewart approach**. Coupled it with machine learning model for severity prediction with accuracy of 93.75%.
- Used AWS-Texttract service for OCR for **auto-filling from ABG reports** to reduce overall report generation time.
- Implemented 2FA, download reports feature , quantitative and qualitative analysis and Gamblegram for visualization.

**One Point Student-Faculty verification portal** 🌀 | Python,Flask,PostgreSQL,Node.js

**June 2022 - Aug 2022**

- Developed a one-point student and faculty verification portal for colleges under AICTE for ease of validation.
- The portal makes it easier for AICTE to validate data from several source points, such as UID, PAN, and NPCI.
- **Integrated many ML models** were with the back-end to validate Aadhar, PAN in addition to OTP verification.
- Implemented an email service to inform users of updates, resulting in a rich and user-friendly experience.

## Technical Skills

**Languages:** C++, Python, HTML/CSS, JavaScript, SQL

**Relevant Coursework:** Database Management Systems, Data structures & algorithms, Object Oriented Programming

**Soft skills:** Communication skills, Leadership, Team player

**Technologies:** PostgreSQL, MYSQL, MongoDB, Docker, Heroku, Git, Node.js, Express.js, Flask, Computer Vision

## Achievements / Position Of Responsibility

- **Winner UNESCO India-Africa International Hackathon 2022** 🌀 : Won the UIA '22 with cash prize of 300,000 Rupees & felicitated by the hands of Hon'ble Vice President of India and Hon'ble Minister of Education
- **Winner of Smart India Hackathon 2022** 🌀 : Senior Division for Problem Statement DR727.
- **Chief Technical Head** at CSI PICT Student Branch: Led 5 technical teams, promoted growth for a 1100-member club
- **Technical Lead** (Xenia MCQ Platform): Led a team of developers to build a real-time MCQ contest platform.
- **TVS Credit E.P.I.C IT Challenge - Semifinalist** 🌀 (Under top 300 out of 17,000 teams).