

ATHARVA KAMBLE

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EDUCATION

University of Mumbai

Bachelor of Engineering - Electronics and Telecommunications Engineering, GPA: 8.55/10

Mumbai, India

May 2022

Birla College of Arts, Science and Commerce

Class 12

Mumbai, India

March 2018

WORK EXPERIENCE

Cognizant Technology Solutions, Programmer Analyst

Mumbai, India | July 2022 - Present

- Optimization: Re-designed and implemented GraphQL to replace previous REST architecture thereby reducing overall latency by 40%.
- Developed and maintained frontend business logic in Angular and API architecture using Java Spring for the company-wide app store.

RaftLabs Co., Software Developer Intern

Dublin, Ireland (Remote) | April 2021 - February 2022

- Engineered a highly scalable POC of an e-commerce app for coupon distribution using Next.js, Hasura, and Nest.js.
- Built an end-to-end analytics tool for Shopify owners where consumers can buy products via Facebook live streams using webhooks.
- Built Instantor Rewards, a financial loyalty app that helped local businesses in Dublin increase their revenue by 46%.
- Developed an automation cron script using Python and GitHub Actions for timely uploading blogs synchronously to Medium and dev.to that brought an average of 600 views per month with an all-time high of 17000 views.
- Maintained and enhanced the domain site - raftlabs.co - built using Webflow CMS no-code platform.

Trivia Software, Python Developer Intern

Mumbai, India | January 2020 - April 2020

- Developed a student management tool using Django, and SQLite. Integrated features such as video conferencing, an online quiz platform, and visualization tools for analyzing student grades and intake.

PROJECTS

TLL - The Learner's Language

github.com/AtharvaKamble/tll, September 2021 - Present

- Developed a compiler in Java for beginners who are inclined toward learning to code in a bottom-up recursive approach.
- It uses beginner-friendly grammar, making it simpler to grasp concepts and move to other languages.

Drowsiness Detection using EEG signals

July 2021 - March 2022

- Built a CNN-derived deep learning model to categorize EEG data of drowsy individuals for time-series EEG analysis using Matlab and Python.
- Benchmarked model performance by comparing accuracy, precision, recall, and F1 score. The derived model achieved the least latency compared to traditional CNN models.

Relations Builder

github.com/AtharvaKamble/relation-builder, March 2021

- Developed a web application that establishes relations with people and generates relationships using graph traversals.
- It uses a depth-first approach to find potential relatives on the server using Express hosted on Heroku.
- Client-side logic is dynamically rendered using React along with Material UI components.

PixelVibe - 2D art generator

February 2021 - May 2021

- Implemented a pixelated art generator using HTML Canvas, and Javascript that uses MDN's experimental API for canvas manipulation.
- It was ranked 8th out of 300 projects in the annual GirlsScript Summer of Code 2021 hackathon with 137 stars.

SKILLS

Programming Languages: Python, Javascript, Java, C, Bash.

Database Management Systems: Oracle, PostgreSQL, MongoDB, SQLite.

Tools and Frameworks: Flask, Node.js, React, Docker, Travis CI, Git, Linux, AWS.

ACADEMIC PUBLICATION

Drowsiness Detection using EEG signals and Machine Learning Algorithms

ITM Web of Conferences 44, 03030 (2022)

DOI: <https://doi.org/10.1051/itmconf/20224403030>

ACHIEVEMENTS AND RECOGNITION

Technical Head at Google's Developer Student Club, RAIT

August 2020 - June 2021

Team Lead for e-yantra Robotics Hackathon 2020, IIT Bombay

December 2020