# Amish Chawla

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## Education

**Ramrao Adik Insitute of Technology** — Navi Mumbai, India
Bachelor of Technology - Computer Engineering (CGPA: 9.14) — 2020 - 2024
Major – Data Science

## Skills

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|---|---|
| Languages: | Java, Python, Flutter, Dart, PHP,C, C++ |
| Technical Electives: | Data Structures, Algorithms, Data Base Management Systems, Object Oriented Programming,Software Engineering, Algorithms Design and Analysis, Operating System, Cloud Computing. |
| Known Web Technologies: | HTML5,CSS3,Bootsrap, Flask, MySQL, Postman, |
| Machine Learning Tools: | Pandas, Numpy, MATLAB, Seaborn, SciKit Learn, Natural Language Processing, Regression, Classification, Clustering Models |

## Professional Experience

**Aynsoft** — Aynsoft
Associate Software Developer Intern — June 2022

- Developed a **Flutter** application that empowered small business owners to sell their products online. Implemented essential features, including product listing. Collaborated with a team to integrate banner ads using **Google AdMob** for monetization.
- Implemented user authentication functionality through **REST API**, enabling login/signup for users. Demonstrated strong problem-solving skills, teamwork, and adaptability in an internship setting

**Teknobuilt** — Teknobuilt
Associate Software Developer Intern — June 2023 - July 2023

- Collected data for different supplementary Cementous materials such as their CO2 emissions and cost per ton to understand the best trade-off between CO2 and cost.
- Made a gradient boosting regression model to predict the CO2 emissions on mixing of different Cementous materials. **Achieved the R2 value of 0.8513.** Made different regression models such **as Gradient Boosting Regression, KNN regression, Decision tree regression, Random forest regression, Baysean regression, Neural Network regression, SVM regression** to predict the carbon emissions of different vehicles according to type of vehicle engine class of cars.
- Analyzed the above models and realized that Neural network regression had the least root mean square error meaning in is the best model among the above models.

## Projects

**Breast Cancer Prediction**

- Developed and implemented a machine learning-based system to classify breast cancer images as malignant or benign.
- Leveraged image preprocessing techniques, trained a model using a dataset of 87 images, and conducted thorough data analysis to ensure accurate results. Achieved the **accuracy of 85%.**

**Blog Website** — Github

- Technologies used: Python, Flask, Bootstrap, HTML, CSS, JavaScript.
- Developed a blog website that enables users to create, edit, and delete their own blog posts. The homepage features a list of all the blog posts created by users.
- Implemented an intuitive user interface that allows users to easily navigate through the website and access the desired functionality. Demonstrated proficiency in web development, user experience (UX) design, and database management

**Clima – Weather App**

- Technologies used: Flutter, Dart, REST API integration, UI design
- Developed a weather application using Flutter and Dart, integrating with the Open Weather API to collect and display real-time weather data. The app provides information such as current temperature, humidity, pressure, wind speed, and feels like temperature.

## Achievements

- Solved 100+ Data Structures and Algorithms questions on various coding platforms like Leetcode and Pepcoding
- Secured 10 Grade Points in Data Structures, Object Oriented Programming, Cloud Computing.

## Position of Responsibilities/Mentorship

**TopHealers** — December 2022

- Volunteer at Top Healers – Helped in organizing and conduction of healing camps
- Provided personalized academic support and tutoring services to students.