

# AMISH CHAWLA

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## OBJECTIVE

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Software Engineer Fresher, seeking full-time Python Developer roles.

## EDUCATION

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**Bachelors of Technology**, D.Y. Patil University

2020-2024

Relevant Coursework: Computer Science

Major: Data Science

## SKILLS

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### Languages

Python, Java, Flutter, Dart, PHP,C, C++

### Technical Skills

FastAPI, Flask, Redis, Postman, Bootstrap5

### Machine Learning Tools

Pandas, Numpy, MATLAB, Seaborn, SciKit Learn, Natural Language Processing, Regression, Classification, Clustering Models

## EXPERIENCE

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### Associate Software Developer Intern

Jan 2024 - Present

Aynsoft

*New Delhi, IN*

- Developed a SAAS website hosted on AWS with Admin which has different modules that can be accessed using subscriptions.
- Created different modules like Subscriptions with stripe payments, resume parsing, built chatbot using Google AI Studio.
- Backend is built using FastAPI, implemented cacheing using FastAPI-Cache and redis
- Created **chatbot** using **Google Gemini 1.0**. Frontend was built using **Flask** and **Bootstrap**
- Did authentication in FastAPI using **JWT-Tokens**. Tested APIs using **Postman**

### Associate Software Developer Intern

Jun 2023 - Jul 2023

Teknobuilt

*Navi Mumbai, IN*

- 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

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**Animal Intrusion Detection.** Developed and implemented a Deep learning-based system to classify images of wild animals. **YOLOv8** algorithm is used to classify animals into three classes Elephant tiger,leopard. Leveraged image preprocessing techniques, trained a model using a dataset of 1844 images, and conducted thorough data analysis to ensure accurate results. Achieved the **accuracy of 96.2%**.

**Blog Website.** 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

**BigIndia – B2B Application.** Technologies used: **Flutter, Dart, REST API integration, UI design**. Developed a Flutter application that empowered small business owners to sell their products online. Implemented essential features, including product listing. Integrated banner ads using **Google AdMob** for monetization.

## LEADERSHIP

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