

# AMIT KUMAR

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## OBJECTIVES

- Work with an organization that provides a motivating work environment, where I can utilize my software, analytical and problem-solving skills for successful career, which will ultimately benefit the organization and society.

## PROJECTS

### PROGROWTH([link](#))

- (Freelance Project) --Progrowth is type of e-learning website. In this project admin create multiple coaches and also manipulate of coaches. Admin provide courses for all coaches and coaches taught course. Admin create all course if course Name same then course\_Id immutable and also manipulated each course in future like delete update. When admin assign courses to coaches then coaches receive email from admin. These all courses provide as weeks section after all weeks of course completed the course goes into archive section.
- Technology stack: Python, Django, DbSQLite3, Rest API, JWT.

### SAROX([link](#))

- In Sarox, first project at Codeaegis Pvt Ltd, I'm orchestrating the creation of a robust API featuring functionalities such as secure admin login with JWT, user signup and login, profile management (get, update, delete), strict user access controls requiring admin permission, OTP authentication, logout using user token, password reset, and motor registration linked to admin login token for seamless motor management (delete, update, get). Elevating user and admin experiences through comprehensive API solutions
- Tech stack: Python, Django, PostgreSQL, Rest API, JWT.

### HEART DISEASE ANALYSIS

- The objective is to determine whether an individual has heart disease or not based on various features or attributes, such as age, gender, cholesterol levels, blood pressure, etc.
- During this project we required dataset and we take dataset from Kaggle website. After that we done a cleaning, preprocessing, and scaling with data in dataset. After that we fit the data into machine learning model.
- In this project during the fitting a model we used Logistic Regression algorithm and the score on test data with 89 percent. After that we predict the features by model.

### REAL\_ESTATE\_PRICE\_PREDICTION

- The objective is to determine the price prediction of Bangalore cities based on their attributes and features in the given dataset.
- During this project we required dataset and we take dataset from Kaggle website. After that we done a cleaning, preprocessing, and scaling with data in dataset. After that we fit the data into machine learning model.
- In this project during the fitting a model we used Random Forest Regression algorithm and the score test data is 96 percent. After that we predict the features by model.

### IMAGE CLASSIFICATION

- The objective is to determine to identifies the images of animal in the given dataset. The dataset taken from TensorFlow library.
- Making this project we applied the skills Python, TensorFlow, Convolution Neural Networks. Accuracy of model score on test data is 76 percent

### TEXT CLASSIFICATION

- The objective is to determine fake and real news based on the data in the dataset. During this project we required data so we take from Kaggle website.
- During this project we applied the skills Python, Spacy, Genism, NLP, Machine Learning algorithms.
- Accuracy of model score on test data is 100 percent.

## EXPREINCE

### Codeaegis Pvt Ltd (Python Engineer)

1<sup>st</sup> Feb 2024 -Present

This company develops software, websites, Android App and web application.

- My role in this company as a Backend Developer. I am using language for backend developer i.e. Python (Django) and Node.js.
- I have done project in this company the name is Sarox and also done web scrapping.
- For databases, I am using PostgreSQL, MongoDB, MySQL, DbSQLite3.

## INTERNSHIP

### TECH MARTIN PRIVATE LIMITED

8 Nov 2022 — 29 Dec 2022

This company develops software, websites, and web application solutions.

- Propose methods for creating responsive and more reliable Android development and learnt Python(libraries)
- Android application in tic tac toe game

### EASYWEBES PRIVATE LIMITED

9 Sep 2022 — 17 Oct 2022

This company develops software, websites, and web application solutions.

- Propose methods for creating responsive and static more reliable website and learnt HTML, CSS, JavaScript, PHP, MySQL.
- We make Portfolio

### TCSION

3 Oct 2021 — 6 Dec 2021

- Image classification using different machine learning algorithms and used datasets are cifar10, fashionist, cifar100, digit etc.
- We learn computer vision and also learn text classification using nlp and various ML algorithms.

## EDUCATION

### Bachelor of Technology, Information Technology

12 Sep 2023(completed)

Muzaffarpur institute of technology, CGPA: 8.0/10.00

Muzaffarpur, Bihar, India

## TECHNICAL SKILLS

<b>Programming/Scripting</b>	Python, Data Science, Machine Learning, NLP, NumPy, Matplotlib, SciPy, TensorFlow .
<b>Database</b>	PostgreSQL, MySQL, MongoDB, DBSQLite3.
<b>Web Development</b>	Node.js, Django, C lang, Rest API, Data Structure.
<b>Other Skill</b>	Linux, GPT.

## ACHIEVMENT & CERTIFICATION

- Bootcamp in Machine Learning and Data Science by Udemy
- Data science with python by Simplilearn
- The Joy with Python by NPTEL
- C Language by NPTEL
- Java programming by NPTEL
- TCSNQT qualified in 2023
- Cloud Computing by NPTEL