



# Prakhar Prakash

## Software Developer

Software developer with two years and eight months of experience in automating use cases and developing full stack applications using Python, SQL, Django and Flask. Well versed in Data Structure Algorithms. Experienced in leading, managing, developing and deploying product and solution-based projects.

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## SKILLS

Python

Java

JavaScript

Socket IO

HTML

CSS

SQL

MongoDB

Flask

Django

FastAPI

RobotFramework

GIT

Docker

AWS

Selenium

NLP

Scikit Learn

Pandas

Machine Learning

Deep Learning

Data Analysis

Web Scraping

Keras

GPT

RPA

Automation Testing

## EDUCATION

### Bachelor of Arts(General)

Mewar University

06/2014 - 07/2017

Chittorgarh, Rajasthan

## WORK EXPERIENCE

### Senior automation engineer

BAAR Technologies Private Limited (Hybrid)

06/2022 - 01/2025

Kolkata, India

BAAR Technologies PVT. Ltd is a wholly owned subsidiary of BAAR Technologies INC. BAAR Technologies help organizations achieve Digital Transformation objectives related to digital security as well as testing of controls, by automating end-to-end workflows by deploying rules-based, cognitive, and artificial intelligence capabilities.

#### Achievements/Tasks

- Automated multiple loan collection use cases for banking institutions using Python, Selenium and MSSQL.
- Automated user identity lifecycle management processes for the client HRMS .
- Experienced in planning, leading, managing, designing, developing and deploying service-based projects into production environments.
- Automated user access management (UAM) processes for banking clients.
- Experienced in working as part of the product development front-end team.
- Developed robust, scalable and reusable code to decrease the overall cost of services using Selenium, Python, Flask and Robot Framework.
- Experienced in designing workflows, database schemas and backend scripts to automate end to end processes.
- Experienced in project management.
- Experienced in managing and deploying solutions in the client production environments.
- Worked as part of the team in creating the visualization engine for the company product.

Contact : prakhar.prakash@baar.ai - www.baar.ai

## WORK EXPERIENCE

### Data Science Intern

#### Flip Robo Technologies Private Limited

08/2021 - 02/2022

Bengaluru, India

##### Achievements/Tasks

- Hands-on experience in completing 20+ projects involving Data Science applications
- Extracted datasets using web scraping with Selenium and Python
- Ran statistical analysis, compiled, cleaned, and manipulated data as per project requirements.
- Stored the cleaned data in the MSSQL server database.
- Tested and validated ML models for accuracy in predictions of outcomes of interest
- Cleaned, organized, and analyzed text data using NLTK libraries and trained machine learning models
- Trained and evaluated ML models on live datasets to predict malignant comments, product ratings and ticket prices
- Worked on use cases involving clients from ecommerce, automobile and pharmaceuticals industry.

## PERSONAL PROJECTS

### Chat Application using web sockets (01/2025 - Present)

- Tech Stack : Python, JavaScript, HTML, CSS, MySQL, Flask, Socket IO, Ubuntu, GitHub, Amazon Web Services, Co-pilot
- URL : <http://ec2-13-61-213-208.eu-north-1.compute.amazonaws.com> (NOTE : This is an unpaid AWS ec2 cloud instance created in the EU zone and may not be available in all regions.)
- Developed a web based group chat application using Socket IO.
- Developed the front-end using HTML and JavaScript with Socket IO and designed the HTML tags using CSS while maintaining the responsiveness of the website.
- Developed the backend using python and Socket IO in Flask framework.
- Created a MySQL database to maintain the encrypted credentials, number of active sessions, joining date and time etc.
- Added registration and session management restrictions through the backend scripts to enhance security.
- Maintained version control and regulated deployment through active sync with the GitHub repository.
- Tested the application features through multiple users and sessions locally, to point out and fix vulnerabilities before pushing the changes to GitHub.
- Deployed the web application on AWS cloud as a free EC2 instance, to be made available for public use.

### Portfolio website (12/2025 - Present)

- Tech Stack : Python, JavaScript, HTML, CSS, PostgreSQL, Django, Git, Co-pilot
- URL : [www.appsbyprakhhar.in](http://www.appsbyprakhhar.in)
- This is a portfolio website developed using HTML, CSS and JavaScript(vanilla) in the front-end and Python and PostgreSQL in the back-end leveraging Django rest framework for architecture and GIT for version control and deployment.
- Goal : The goal of this website is to provide the information that might be too big to be accommodated in the resume and to provide a quick peek into my professional and personal life and to maintain all the links and descriptions for all the applications that I develop and deploy.
- Added custom automations to generate notification emails using Python for both the sender and myself upon raising an appointment request.
- Deployed the website on [www.render.com](http://www.render.com) using Unicorn and GIT .
- Maintained version control using GIT.
- Maintained the responsiveness of the website while making it compatible with multiple user-interfaces with the help of media queries.

## CERTIFICATIONS

### NLP, Deep NLP and Computer Vision with Python (03/2022 - Present)

Issued - MAR/2022 by Data trained | <https://www.datatrained.com/>  
Credential ID: c22021457

### Machine Learning with Python (04/2022 - Present)

Issued By IBM (Available on my portfolio website)

### PG program in Data Science, Machine Learning and Neural Networks with Python (03/2022 - Present)

Issued - MAR/2022 by Data trained | <https://www.datatrained.com/>  
Credential ID: c22021457

## LANGUAGES

English  
Full Professional Proficiency

Hindi  
Native or Bilingual Proficiency

Urdu  
Professional Working Proficiency