

Amber Goswami



Software Developer

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Profile

Sincere and hardworking Software Developer:

- Skilled in Python, JavaScript and Typescript.
- Experienced in Chat Bot development with RASA Framework and incorporating Large Language Models to enhance the functionality
- Designing and developing websites using FastAPI for Backend and Angular for Frontend.
- Skilled in Data Science, Data Analysis, Machine Learning, NLP, Deep Learning and Computer Vision.
- Experienced in HTML, CSS and jQuery.
- Experienced with Relational Data-bases like PostgreSQL, MySQL, SQL Server Management Studio.
- Familiar with Django for Backend and non relational Database like Mongo-DB.

Achievements & Awards

- Awarded Scholarship for the year 2021-22 from the college.
- Qualified **GATE 2022** examination: **All India Rank (AIR): 56**

Experience

SOFTWARE DEVELOPER | CYBRAIN SOFTWARE SOLUTIONS PVT. LTD. | APRIL 2023 - PRESENT

- Develop quality software/ websites. Predominantly using FastAPI for Backend and Angular for Frontend web Development.
- Worked on multiple Machine learning processes including training models, developing chatbots, working on large language models etc.
- Worked in a team of 6-7 people and taking lead of 2 Software Engineer Interns.

DATA SCIENCE INTERN | SPINOFF TECHNOPARK PVT LTD. | JANUARY 2023 – APRIL 2023

- Used python for ML implementation and MySQL for data processing/analysis. Processed and analyzed multiple PAN India Datasets.
- Worked on cutting-edge technologies like ML, DL, MySQL, Power BI etc.

RESEARCH INTERN | INMAS, DRDO | JUNE 2022 – AUGUST 2022

- Worked on a research project and developed Machine learning classification model for motor imagery task prediction.

Education

B.TECH. BIOMEDICAL & COMPUTATIONAL ENGINEERING | 2019 – 2023 THAPAR INSTITUTE OF ENGINEERING AND TECHNOLOGY, PATIALA

- CGPA: 9.05/10

**ALL INDIA SENIOR SCHOOL CERTIFICATE EXAMINATION (XII) | 2019 |
BAL NIKETAN PUBLIC SCHOOL, CHANDIGARH**

- Performance: 85.2%

**ALL INDIA SENIOR SCHOOL CERTIFICATE EXAMINATION (X) | 2017
KB DAV SENIOR SECONDARY PUBLIC SCHOOL, CHANDIGARH**

- CGPA: 10/10

Projects

CHATBOT

- Worked on developing Chatbot using RASA Framework and using various NLU/NLP Techniques for accurate model development.
- Integrating LLM API's (GPT,BERT) in the project to enhance the functionality.
- Working on both backend part for chatbot development and frontend part for Bot UI and admin panel development.

XTH CBSE RESULT DATA EXTRACTION WITH FRONTEND AND BACKEND INTERFACE

- Developed a web interface with FastAPI for backend and Angular for frontend technology which eliminates the need of txt to excel conversion of Xth CBSE Result file.
- For extracting all the important key-value pairs, various advanced ReGex combinations are developed.
- Made API's to interact with PostgreSQL database and called in the frontend to fetch data and show interactive listing.

PHYSICAL THERAPY REHAB MONITORING SYSTEM

- Developed an open CV based physiotherapy monitoring system integrated with EMG signal through raspberry pi pico using micro-python (on Thonny) for muscle recovery monitoring.

EEG MOTOR-IMAGERY SIGNAL ANALYSIS AND CLASSIFICATION

- Gathered and corrected data to create EEG motor imagery prediction model and prepared a pipeline for processing and feature extraction of EEG data using MNE-python.
- Worked on various classification models for motor imagery task prediction.

Skills & Abilities

- **Languages:** Python, JavaScript, Typescript
- **Backend:** FastAPI, Django
- **Frontend:** Angular, Vanilla JS
- **Data science:** AI, ML/DL, RASA, NLP, OpenCV,
- **Database:** PostgreSQL, MySQL
- **Designing:** HTML, CSS, Bootstrap.
- **Generative-AI:** Langchain, BERT, llama 2
- **Data Analysis:** Microsoft Power BI, Ms-Excel.
- **Others:** Docker, RegEX, Git, AWS.

Interests

Music/Singing