



PULKIT SHARMA

WORKING STUDENT 📍 DEGGENDORF, 94469, GERMANY ☎ +49 152 1477 1341

◦ DETAILS ◦

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Date / Place of birth

21. Aug, 2001
Delhi, India

Nationality
Indian

◦ LINKS ◦

[GitHub](#)

[LinkedIn](#)

◦ SKILLS ◦

Python

Data Analysis

MongoDB

SQL

Microsoft 365

Django

Linux OS

Networking

C#

C++

Java

Unity Game Development

HTML & CSS

Photoshop

Swift Programming

LLM & SLM

Rag Workflow's



PROFILE

- Highly interested in Artificial intelligence, Robotics, and Space. I have years of experience in Programming. Competitive in every task. Try to give my best in every situation. I am a self-motivated Software Developer who can work independently and do well when working in a team. I am friendly and approachable. I never hesitate to ask questions. I desire to be at the top in the field I am interested in.



EDUCATION

Bachelors of Science - Artificial Intelligence, Technische Hochschule Deggendorf, Bayern, Deggendorf, Germany
October 2022 — March 2026

Bachelors of Technology - Computer Science and Engineering (Artificial Intelligence), G.D.Goenka University, Gurugram, India
October 2020 — September 2022

Intermediate - PCM, National. Victor. Public. School, Patparganj, East Delhi, India
April 2006 — March 2019



PROJECTS

Neural Network - Robotic Arm using Unity C#
March 2023

Training a Robotic arm created by me to reach the sensor located at specific coordinate using its joints movements. the project work on the base principle of Reinforcement learning and neural network.

Programing Custom Neural Network Framework from Scratch using Python and Numpy
November 2023

Mastering neural network basics led me to create a custom Python-based framework using NumPy. It handles variable batch sizes, accommodates hidden layers, uses Relu()(Rectified linear)activation, and manages weight and bias updates through matrix operations--source code in my GitHub.

Data Exploration and Prediction for House Price
December 2023

In my analysis, I delved into the variables, focusing on 'Sale Price' alone and in conjunction with highly correlated ones. I addressed missing data and outliers, tested key statistical assumptions, and converted categorical variables into dummy variables--source code in my GitHub.

Face Detection using Cascade Classification
February 2023

The program run on the principle of Cascade Classification that detects face and eyes of a person or image of a person.

◦ LANGUAGES ◦

English

German

Hindi

◦ HOBBIES ◦

Golf

Yoga

GYM

Lawn Tennis

Swimming

Surfing & Sailing

Data analysis and Machine Learning model of water analysis using Support Vector Classifier

January 2024

With the help of pandas, sklearn, matplotlib, seaborn (Scatter-Graph, correlation graph) and numpy library I created a prediction model with 82% accuracy --source code in my GitHub.

Supply Chain Backlog Automation of Supply Chain Department

January 2024

The Supply Chain Team previously relied on manual processes that consumed hours daily to consolidate data for supply chain backlog analysis. I automated these workflows using Python and Pandas, significantly cutting down time and labor required for data processing, resulting in more efficient analysis and visualization--source code in my GitHub.

Live Stock market Data Scrapping and Analysis GUI

February 2024

With the use of bs4 (BeautifulSoup), csv, tkinter, request modules in Python I developed a live data scrapping model that scraps the data and analysis the data and send feed back whether to buy or sell the listed stock--source code in my GitHub.

VR Game using Vizard Library

March 2022

The program runs on proximity detection of the arm that is controlled by the user, If the arm touches the green ball which takes random coordinate inside the area of the sphere(where leng.of_Arm = Radius), the ball resets the position.

Virtual ATM machine using C#

October 2022

The main principle of this code is to call forth class with different class constructor variables according to the information of the user. There are various methods inside the class to do tasks such as Deposit ,Withdraw, View Balance, Change Pin and Exit There are Try and Catch functions inside the program to handle errors due to the wrong input datatype and a method to validate the user acc number and pin--source code in my GitHub.

Question or Statement Detection using Machine Learning Models

December 2022

With the help of sklearn I used TfidfVectorizer and Gradient Boosting Classifier to developed a program to identify whether the input of the user is a question or statement. this program will keep on improving as we input data--source code in my GitHub.

Model-View-Controller Website Using ASP.NET Core

October 2022

Created a website page to add, edit and delete data from the data base model that I created, A search page to search the data base using specific key words and display outputs, Authentication system to enable only the person with a account to delete the items in the data base.

Power Bi report for the Electrification Technology Department

May 2023

A 21 page report was created and published by me for the company, Each page contains a lot of vital information and the whole ET department (5000 people approx.)

use my report in order to evaluate processing and financial well being of the company.

Employee Equipment Management and Tracking System for IT team using PowerApps

February 2023

To streamline Employee Equipment Management, our IT team transitioned from paper-based records to a digital solution. We developed an app using PowerApps and Dataverse, enabling multiple database connections and storage. The app efficiently updates stock equipment, manages individual employee equipment data, and handles repair service requests seamlessly.

Facebook Messaging Bot

October 2023

Using selenium, sys, json module in python I created a live bot that creates messages in Facebook and also comments on people post.

Gas Valve turning automation using Vention Pneumatic Actuators and- Servo Motors

The main cause of this project is it requires a person's presence to turn the valve every 2 hours for several months consecutive to test the standard of a product for certification.

Using Vention machine Motion2 as the Central Control hub and Python, I developed a custom code that can automate the whole process and further tune the motor acceleration and RPM according to the needs. The main achievement here was I made the program much user-friendly (README and Wiki) so that all lab engineer even without programming knowledge can understand and use this code.

Email Sending And Receiving program using smtplib, ssl and email library

December 2022

The program is based on getting connection with port, fetching raw UTF-8 encoded messages with the help of email server port. decoding it and fetching the required data.

Music Player using Tkinter and Pygame

October 2023

The music player works on the principle of storing data in son file and using the GUI tools created to access the file and playing the song needed, the song is played , paused with the help of pygame library and json, to get the title and audio file directory.



EXTRA-CURRICULAR ACTIVITIES



Member of United AI Club, Deggendorf

November 2022



COURSES



Google Cloud Fundamentals for AWS Professionals, Google Inc.

May 2022 — July 2024



REFERENCE



Prof. Dr. Patrick Glauner

- Lead by CDO Magazine in the list of the world's leading profesors in data.
- Expats of the German Bundestag and the French National Assembly on AI.
- 2012 - 2014: Fellow, European Organization for Nuclear Research (CERN)