POOJA SAHU

Sagar, Madhya Pradesh, India ✉ sahupooja43890@gmail.com ▢ +919302445014 ▣ in/pooja-sahu-54b5a7281 ♁ github.com/Pooja0726

SUMMARY

Pursuing B.Tech in Computer Science with specialization in AI-ML; current CGPA: 8.88.
1+ years of coding experience in Python.
Research paper on Facial Expression Recognition using CNN and SVM accepted at WCSC 2025 (awaiting final publication).
Currently working as an intern at Amasqis.ai.

EXPERIENCE

Intern
amasqis.ai   **March 2025 – September 2025**
· Contributed to the design of user-friendly interfaces for a financial AI platform aimed at helping marketing and sales teams recommend tailored financial products.
· Assisted in creating dashboard components to present customer insights, segment-based product suggestions, and performance metrics.Participated in team discussions and feedback sessions to align UI elements with user needs and AI-driven functionalities.

PROJECT

Brain Tumor Detection Model
July 2025 – August 2025
· Developed and trained a Convolutional Neural Network (CNN) using Pytorch to classify and detect brain tumors from MRI scan images.
· Engineered a complete pipeline including data preprocessing, model training, and performance evaluation to achieve high accuracy in tumor identification.

OLA Business Analytics Dashboard
June 2025 – July 2025
· Developed a comprehensive ride-sharing analytics dashboard using Power BI, Excel, and SQL to transform raw business data into actionable insights.
· Delivered key metrics including total bookings, success rates, distance analytics, vehicle-specific revenue, cancellation patterns, and customer satisfaction scores.
· Identified peak demand patterns for improved fleet management and analyzed revenue performance to monitor operational efficiency.

Facial Expression Recognition using CNN and SVM
October 2024 – January 2025
· Developed a hybrid emotion recognition model using VGG16 for feature extraction and SVM (RBF kernel) for classification.
· Trained and validated on CK+, FER-2013, and a merged dataset, achieving 84.40% validation accuracy and 0.85 F1 score.
· Built a functional demo tool to predict facial emotions based on the proposed model.

EDUCATION

B.Tech in Computer Science (AI-ML)
Vellore Institute of Technology · Bhopal, MP · Sep 2023 – Aug 2027 · 8.88

CERTIFICATIONS

Smartbridge GenAI Certification
May 2025
· Developed a horror story generator using Google Gemini API and Streamlit.

Google Generative AI Certifications
2025
· Basic, Intermediate, and Advanced levels.

Deloitte Data Analytics Job Simulation
2025
· Completed a practical job simulation from Deloitte and Forage, covering various tasks in data analysis.

PUBLICATIONS

Facial Expression Recognition using CNN and SVM
Research Paper · WCSC 2025 · Oct 2024 – Jan 2025

SKILLS

Python, Java, C++, Excel, PowerBI, MySQL,HTML,CSS

Machine Learning, Pandas, Numpy, Matplotlib, Seaborn, GenAI, Streamlit, Prompt Engineering

Communication, Leadership, Team Management, Problem Solving