

AKASH HARH

Kolkata, West Bengal • akashharh2002@gmail.com • (+91)8927094430 • [linkedin.com/in/akash-harh-625375223](https://www.linkedin.com/in/akash-harh-625375223)
github.com/AkashHarh • [geeksforgeeks.org/user/akashhaczfa](https://www.geeksforgeeks.org/user/akashhaczfa)

Worked at CyberSWIFT as a Software Trainee, contributing to a PERN stack-based Land Acquisition System by building 4 modules and fixing 200+ bugs. Executed diverse ML/DL projects including Speaker recognition system, cancer detection, and bird sound classification with 98% accuracy, Course recommendation system, etc.

EDUCATION

Bachelor of Technology (B.Tech)

Techno Main Salt Lake (TMSL)
CSE(Data Science)

Aug 2021 - Jun 2025

GPA: CGPA: 8.7 (Up to 7th Semester)

SKILLS

Programming Languages: JAVA, OOPS, PYTHON, C, C++, SQL, HTML, CSS, React, Node, Javascript

Tools and Technologies: Git/GitHub, AWS, Docker, Excel, TensorFlow, Keras, Scikit-learn, Flask

Database Management: MongoDB, Oracle, SQL, NoSQL, Postgres

Machine Learning & Data Science: Machine Learning, Deep Learning, NLP (Natural Language Processing)

Statistical & Analytical Methods: Data Visualization, Exploratory Data Analysis (EDA), Statistical Analysis, Regression Analysis

WORK EXPERIENCE

Software Trainee

Aug 2024 - Jan 2025

Cyberswift Infotech

Kolkata

Worked at CyberSWIFT as a full-stack developer on a PERN tech stack-based Land Acquisition Management System, developed 4 modules from scratch, fixed 200+ bugs, and collaborated with a 7-member team.

Data Science Intern

May 2024 - Jul 2024

Celebal Technologies

Kolkata

Optimized several ML models with a 15% accuracy boost, processed 100K+ records, reduced data noise by 25%, improved feature selection by 22%, and improved pipeline efficiency by 30%.

Machine Learning Intern

Jul 2023 - Sep 2023

Feynn Labs

Kolkata

Investigated EV market trends with the projection of 18.2% future growth from 2021-2030. Developed a web app for cement quality checking, enhancing prediction accuracy through advanced ML models and data analysis techniques and obtained 92.23%.

PROJECTS

Cement Quality Prediction

Examined 8 cement features. Applied Linear Regression (63.69%), Ridge (63.69%), Lasso (63.80%), RandomForest (92.23%), and GradientBoost (90.50%).

Indian EV Market Segment Analysis

Identified Maharashtra as the highest EV car-containing state with 35,000+ EVs and 300+ charging points. Conducted comprehensive analysis including age-based, income-based, vehicle preference, buying behavior.

Course Recommendation System

Developed an NLP-based recommendation system using TF-IDF. Reached 79.4% accuracy with 3,683 data points.

SafeWalk Pedestrian Safety Project

Designed computer vision algorithms for human detection, posture analysis, and mobile usage detection utilizing deep learning techniques and gained 89.24% accuracy.

CERTIFICATIONS

Journey to Cloud: Envisioning Your Solution  by IBM

Preparing Data for Analysis with Microsoft Excel  by MICROSOFT

POWER BI FOR BEGINNERS  by MICROSOFT

CRASH COURSE ON PYTHON  by GOOGLE

AWARDS

Solved over 400+ problems by GeeksforGeeks

1st position by Smart India Hackathon

Led a team project to create a sentiment analysis tool from textual data by developing a model using Twitter RoBERTa and tokenizers and reached 86% accuracy.

5-Star Coder in C++ by HackerRank

PUBLICATIONS

A Hybrid Deep Learning Framework for Text Independent Automatic Speaker Recognition System  on Springer

An Efficient Deep Convolutional Neural Network for Automated Bird Song Classification[Under Publish Procedure] on Springer