

# AKASH SAMANTA

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GitHub | LinkedIn

## SUMMARY

A dedicated Computer Science Engineering student specializing in Artificial Intelligence and Machine Learning with a proven track record in problem-solving and collaborative project execution. I excel in both individual and team settings, bringing strong communication skills and the ability to manage complex tasks efficiently. My proactive approach to learning and growth is complemented by hands-on experience in machine learning, data analysis, and app development.

## EDUCATION

<b>TECHNO MAIN SALT LAKE</b> B.TECH IN COMPUTER SCIENCE & ENGINEERING (ARTIFICIAL INTELLIGENCE & MACHINE LEARNING) • CGPA (up to 6th sem): 8.62	2021-2025
<b>METHODIST SCHOOL, DANKUNI</b> HIGHER SECONDARY EDUCATION (ISC) • Aggregate: 84.83%	2019-2021
<b>METHODIST SCHOOL, DANKUNI</b> PRIMARY AND SECONDARY EDUCATION (ICSE) • Aggregate: 85.17%	2006-2019

## PROJECTS

### DISORDER ANALYSIS

Developed an NLP-based model to classify tweets into various mental health disorder categories, including Anxiety, Depression, and Panic Disorder etc. Utilized advanced machine learning algorithms and text preprocessing techniques to achieve 89% accuracy. Gained expertise in data cleaning, feature extraction, and model evaluation using tools like NLTK and scikit-learn.

### MEDITATION APP

Developed a mobile application using Expo and React Native to support guided meditation and mindfulness practices. Leveraged TypeScript to enhance code reliability and implemented key features such as customizable meditation timers, guided sessions, and progress tracking to optimize user experience.

### VALUE PREDICTION OF FOOTBALL PLAYERS

Developed a predictive model to estimate the market value of football players using historical performance data, player statistics, and machine learning techniques. Applied data preprocessing, feature engineering, and regression algorithms coupled with hyperparameter tuning to improve prediction accuracy. Gained experience with data analysis, model evaluation, and optimization to enhance model performance.

## SKILLS

<b>COURSEWORK</b>	OOPS   OS   Database Management   Computer Networks   AI   Deep Learning   ML
<b>PROGRAMMING LANGUAGES</b>	Python   CSS   JavaScript   C   Bash   Java   SQL   Typescript   HTML
<b>SOFTWARE DEVELOPMENT</b>	Programming Paradigms   GIT   CLI   Data Structures & Algorithms
<b>FRAMEWORKS &amp; LIBRARIES</b>	Matplotlib   Numpy   Pandas   Scikit-learn   Streamlit   Tensorflow   React-Native
<b>LANGUAGES</b>	<b>Native:</b> Bengali <b>Professional Working Proficiency:</b> English   Hindi

## CERTIFICATIONS & ONLINE COURSES

- IT Security: Defense Against the Digital Dark Arts (Google via Coursera)
- Machine Learning Study Jams (Kaggle, by GDSC, TMSL)
- Interactivity with Javascript (Coursera)