

# Abhiroop Mukherjee

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## EDUCATION

- Indian Institute of Engineering Science and Technology, Shibpur** Howrah, India  
*Bachelor of Technology - Computer Science and Technology; CGPA: 9.64* July 2019 - June 2023  
*Courses: Data Structures and Algorithms, Database Management Systems, Operating Systems, Computer Networks*
- Kendriya Vidyalaya Koliwada** Mumbai, India  
*10 CGPA AISSE, 2017; 96.2% AISSCE, 2019* March 2007 - June 2019

## SKILLS SUMMARY

- Languages:** JavaScript, TypeScript, HTML, CSS, Java, Python, C++
- Frameworks:** React, ExpressJS, SuiteScript, UIF, TensorFlow, OpenCV, Scikit
- Platforms:** NetSuite, Google Cloud, Google Colab

## EXPERIENCE

- Software Developer** July 2023 - Present  
*Oracle India Private Limited* Hyderabad
  - Built and optimized ERP features across 6 SuiteApps deployed to approx. 3500 companies using SuiteScript 2.x, UIF, and SuiteQL.
  - Improved financial reporting performance of NFP SuiteApps by 20% and reduced large transaction dataset page load time from over a minute to 2 seconds (98% improvement).
  - Achieved Top 30 worldwide / Top 3 India in Oracle NetSuite's global AI hackathon with an LLM-based analytics chatbot.
- Flutter Developer** Jun 2022 - Jul 2022  
*EVE Healthcare* Remote
  - Developed the company's mobile application using Flutter, contributing to ₹37,000 revenue on its launch day.
  - Collaborated with two colleagues to deliver a production-ready app that met all functional and business requirements.
- Project Intern** June 2022 - July 2022  
*Oracle India Private Limited* Remote
  - Developed ERP features for the Transaction Line Distribution SuiteApp, currently deployed across approx. 500 customer accounts serving 600,000+ users.
  - Earned a Pre-Placement Offer (PPO) for strong performance.

## PUBLICATIONS

- Detection of Cipher Types Using Machine Learning Techniques** Aug 2023
  - Achieved 96.72% classification accuracy across Caesar, Affine, Vigenère, Substitution, and Rail-Fence ciphers using multi-shot prompting on the OPT Transformer model.

## POSITIONS OF RESPONSIBILITY

- Flutter Facilitator** Feb 2022 - Mar 2022  
*Google Developers Students Club, IEST Shibpur* IEST, Shibpur
  - As a Flutter Facilitator, I conducted five sessions to provide hands-on experience on app development with Flutter.
  - During this period, I also managed a discussion forum to inform all participants regarding doubts and career opportunities.
- Media Lead** Aug 2021 - Jul 2022  
*Google Developers Students Club, IEST Shibpur* IEST, Shibpur
  - As a Media Lead, my primary objectives are to make sure all the sessions are conducted smoothly, with proper recording and uploading of sessions to YouTube.
  - We have successfully conducted 40+ sessions smoothly and are available to watch on our YouTube channel.
- Video Production Manager** Jan 2021 - Jul 2022  
*CodeIEST* IEST, Shibpur
  - Developed an easy-to-follow methodology for Recording, Editing, and Uploading the CodeIEST Sessions to YouTube
- Video Editor** Sept 2020 - Jan 2021  
*Academic Society of Computer Engineers* IEST, Shibpur
  - Edited 12 ASCE Session Recordings of "The Tech Talk" using Premiere Pro, for YouTube Uploads