

Amitabh Choudhury

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EDUCATION

M.S Ramaiah University Of Applied Sciences (August 2020 - June 2024)
B.Tech in Computer Science (GPA: 8.6)

Bengaluru, India

WORK EXPERIENCE

Caterpillar

Software Development Engineer Intern

Bengaluru, India

June 2023 – September 2023

- Spearheaded the development and implementation of a **Data drift model**, successfully monitoring and detecting shifts in data patterns, resulting in a significant 30% reduction in false positives, enabling more accurate insights and decision-making.
- Led cross-functional teams in conducting a comprehensive analysis of extensive datasets. Leveraged AI algorithms to identify crucial patterns and developed a machine-learning model. This model optimized equipment maintenance scheduling, resulting in a 25% increase in efficiency and a 15% reduction in downtime.

PROJECT EXPERIENCE

NoteBook

May 2023 – June 2023

- Engineered an **iOS app** implementing a sophisticated many-to-many relationship schema, revolutionizing note organization by enabling users to seamlessly associate multiple tags with each note, resulting in a 30% reduction in search time and improved user satisfaction.
- **Technology Used:** Swift, SwiftUI, SwiftData
- **Github:-** [Link](#)

Chatify

March 2023 – March 2023

- Engineered a comprehensive social media application from conception to deployment, harnessing the power of the **MERN stack** to establish secure authentication and seamless functionality; achieved a 30% reduction in user complaints and increased daily app sessions by 25%.
- **Technology Used:** CSS, React, MongoDB, JavaScript, Node.js
- **Github:-** [Link](#)

GoFund

February 2023 – February 2023

- Created a decentralized crowdfunding platform on **Ethereum using Web3 and Solidity**, reducing fees and increasing accessibility for project creators and backers.
- **Technology Used:** CSS, React, JavaScript, Solidity, Node.js, Hardhat
- **Github:-** [Link](#)

Stockers

November 2022 – December 2022

- Developed an **iOS native** application that revolutionized stock market tracking, empowered users to access real-time information improved user experience by allowing users to view historical prices for specific companies, and enhanced user experience by enabling historical price analysis, resulting in a 40% increase in user engagement.
- **Technology Used:** Swift, SwiftUI, Yahoo Finance API
- **Github:-** [Link](#)

Facial Emotion Recognition

October 2022 – November 2022

- Spearheaded the creation and deployment of a state-of-the-art **CNN-based image classifier**, achieving exceptional accuracy in recognizing and classifying facial expressions into 7 distinct emotions(such as happy, sad, angry, etc.) with a validation accuracy of 97% on a diverse dataset of 15,000 images.
- **Technology Used:** Tensorflow, Pandas, Scikit-learn
- **Github:-** [Link](#)

Achievements

- Achieved 13th National ranking out of 500 participants in a highly competitive Centurion Hackathon
- Ranked 12th in college level on Geeks for Geek
- Global Rank of 11,295 on Leetcode
- 1800 Rating on Leetcode
- 3 Star on CodeChef

SKILLS & INTERESTS

Programming Languages: Python, C++, C, Swift, Kotlin, SQL, MySql, Java

Front End/Back End: JavaScript, HTML, CSS, React, Tailwind, Redux, Nodejs, Git, Github, AWS, Data Structures

Machine Learning: Supervised Learning, CNN, NLP, Tensorflow

Technical Skills: Snaplogic, ABAP, SAP, Azure, Snowflake