



# Tanmay Chakrabarty

Graduate Computer Science & Engineering Student (2024)

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A graduate student in Computer Science (2024), seeking an entry-level position in a dynamic, challenging environment. Passionate about applying technical skills to solve complex problems. Excellent communication and teamwork abilities. Ready to apply knowledge and experience gained through projects and internships to contribute effectively and drive impactful outcomes. Data analysis, machine learning, and fintech are some of the current areas of interest.

## 🎓 EDUCATION

<b>B.Tech (Computer Science &amp; Engineering), SRM University, Chennai</b>	Jul 2020 – present
<b>Senior School Certificate Exam (CBSE XII), SNBP International School, Pune</b>	2020
<b>Secondary School Exam (CBSE X), DAV Public School, Pune</b>	2018

## 🧠 SKILLS

**Python** (Pandas, Numpy, Streamlit) • **C/C++** • **Swift** (Swift UI, Storyboard) • **SQL** • **MongoDB** • **R**  
**Tableau** • **Data Analysis** • **JavaScript** (React, Remix) • **CSS** (Tailwind, Bootstrap) • **Figma**

## 📁 INTERNSHIP EXPERIENCE

**Infosys, iOS Developer Intern** Apr 2023 – May 2023  
Chennai, TN, India

Designed and developed a Hospital Management iOS application using Swift; worked with Node.js and MongoDB for a scalable backend implementation.

- Played a pivotal role in the requirement gathering, design discussions. Used Jira ALM for managing the sprint backlog, creating roadmaps, and logging defects.
- Collaborated as part of the 10-member Scrum team to achieve project goals on time. Participated in code reviews, debugging, and testing.
- Improved backend performance by 90% through database optimization and NodeJS async programming techniques.

**Zooked India, Product Designer** May 2022 – Aug 2022  
Bangalore, KA, India





Researched and Designed modules for the cross-platform app for a tech start-up that provides SaaS for the aggregation of group bookings using Figma and Adobe XD.

- Translated business requirements into UI and high-fidelity mockups to effectively convey the envisioned design of the final product.
- Frequently sought and incorporated user feedback during design to reduce defects.
- Implemented design systems and standardized design patterns.
- Provided design variants for facilitating A/B testing.

## COURSES

<b>Google Data Analytics Specialization, Coursera</b>	Jul 2023
<b>Postman API Fundamentals Student Expert, Postman</b>	Jun 2023
<b>Database Foundations, Oracle Academy</b>	Mar 2023
<b>AWS Academy Graduate - Cloud Security Foundations, AWS Training &amp; Cert.</b>	Nov 2022
<b>AWS Academy Graduate - Cloud Foundations, AWS Training &amp; Certification</b>	Oct 2022
<b>Google UX Design Specialization, Coursera</b>	Nov 2021

## PROJECTS

- CAPM Analyzer, A Python based implementation of the Capital Asset Pricing Model**   
Application uses pandas, numPy, streamlit and plotly to gather S&P 500 stock data using Yahoo Finance API, and perform calculations based on CAPM to determine expected returns.
- A/B Testing Analysis, Examines two marketing strategies implemented in an advertising campaign**   
Utilizes Python (pandas, plotly). It defines the control and treatment groups, selects an appropriate statistical test, and sets up the hypothesis. It then performs the A/B test calculating the p-value and effect size. Finally, it interprets, visualizes and summarizes the results.
- Snoke, An iOS App to empower individuals on their nicotine quitting journey**  
Offers informative content, withdrawal support through videos and helpline numbers, and a unique feature that allows users to set personal monetary goals for self-accountability.
- Movie Recommendation System, A scoring system to recommend based on comparable users**   
Uses Term Frequency and Inverse document frequency (TFIDF) matrix using *scikit-learn* that compares the searched movie title to available titles in a 25m dataset using Cosine distance based collaborative filtering.
- NewsSense, Summarizes, categorizes news and performs sentiment analysis**   
A Streamlit app that fetches top news articles using the News API, generates a summary of each article using the OpenAI GPT-3 model, analyzes the sentiment of the article using the NLTK library, and classifies the article into different categories based on keywords.

## EXTRA CURRICULAR

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| <b>KPMG Data Analytics Consulting Virtual Internship</b><br>Mar 2023: Completed practical tasks in: Data quality assurance, Data insights and presentation | <b>JPMC Software Engineering Virtual Experience</b><br>May 2023: Completed practical tasks on: Interface with a stock price data feed; Use JPMC frameworks/tools, Display data visually for traders |
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## HOBBIES & INTERESTS

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| <b>Sports</b><br>Represented school in basketball at the DAV National Sports & Games Competition 2017 in under 19 category. | <b>Music</b><br>Creating hip-hop beats/lo-fi music on SoundCloud/YouTube -- over 400 subscribers |
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## ORGANIZATIONS

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| <b>Microsoft Learn Student Ambassadors SRM, Creative Associate</b><br><ul style="list-style-type: none"><li>Collaborated with technical, like minded individuals and conducted 6 workshops, seminars, challenges, competitions, from 2021- till date across SRM KTR campus.</li><li>Revamped the club website (<a href="https://msclubsrn.in/">https://msclubsrn.in/</a>). Produced Scores for the club's YouTube channel.</li></ul> | present<br>Chennai, TN, India             |
| <b>Google Developer Student Clubs SRM, Creative Member</b><br>Collaborated on, and created over 50 Instagram posts and 5 website designs for workshops that the club was hosting.  | Mar 2020 - Aug 2022<br>Chennai, TN, India |