SUPARNO SAHA
Software Developer

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SKILLS

- **Game Engine:** Unity.
- **Languages:** Python, C#, Java, JS.
- **Technologies:** Selenium, Pandas, Numpy, Django, Matplotlib, Streamlit, React Native, Firebase, Spigot, Bukkit.

PROJECTS

CHAOS HERE, CHAOS THERE, CHAOS EVERYWHERE [LINK]

- Built for Brackeys Game Jam, 2021.2
- Designed and developed a 3D first-person shooter and platformer in Unity, using C# for core mechanics, within a 7-day deadline.
- Overcame challenges with lighting and optimized performance to ensure smooth gameplay.
- Achieved 48 downloads and garnered 34 comments from the community, demonstrating player engagement and feedback.
- Featured in a YouTube video with 150+ views, highlighting the game's reach and visibility within the game development community.

ACADZ [LINK]

- Built for Hack Synthesis, 2024.
- Built a flashcard session system using spaced repetition to enhance learning.
- Implemented YouTube-to-transcript feature, utilizing an API to fetch transcripts from YouTube videos for educational use.
- Developed a YouTube suggestions system using the Gemini API to generate search queries from video transcripts, fetching the top result and displaying detailed video information to users.
- Integrated offline storage functionality, allowing users to save their progress and access flashcards without an internet connection.

MINI PROJECTS

- **RepGen**
  Developed a web scraping tool using Selenium to extract data, generating fake datasets with Pandas and NumPy. Created visualizations with Matplotlib for data analysis.
- **Chat App**
  Built a simple application implementing user login and signup functionality using Firebase, ensuring secure data handling and storage.
- **Styled Streamlit Page**
  Created a static web page using Streamlit, featuring styled text and images.

CERTIFICATIONS

- HPE Codewars, 2023, Code Battle; Rank: 38
- HPE Codewars, 2022, Code Battle; Rank: 96
- Certificate of Participation in Code Red, NITK

EDUCATION

HERITAGE INSTITUTE OF TECHNOLOGY   **Kolkata, India**
Bachelor of Technology in **Computer Science and Business System**

ST. STEPHEN'S SCHOOL, DUM DUM   **Kolkata, India**
PCM with Computer Science