Saikat Das

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Education

Indian Institute of Technology (BHU), Varanasi	Expected May 2027
B.Tech in Mining Engineering	*CPI: 8.6*
Delhi Public School, Dhanbad, Jharkhand	2022
Central Board of Secondary Education	*Percentage: 88.2*

Experience

Club Of Programmers, IIT-BHU	May 2024
Software Development Guild	*Varanasi, UP*

- Core Team Member of COPS (Club of Programmers) in SDG Vertical.

Projects

SubPaper | *Flutter, Python, Flask, Firebase, PRAW* (Google Play Store)

- Led the development of a Reddit API-based wallpaper app, displaying high-quality wallpapers from popular subreddits in a user-friendly interface.
- Designed and deployed a scalable API using the Flask web framework and asynchronous programming, resulting in a 70% improvement in data retrieval speed.
- Implemented a dynamic search bar to browse thousands of wallpapers and incorporated an efficient caching mechanism that reduced server load and enhanced retrieval performance.
- Built a production-ready, high-performance app with robust state management and integrated Google Ads.

SS-YT | *Python, FFMPEG, Flask, HTML, CSS* (Source Code)

- Developed an API-based YouTube video downloader that allows users to download YouTube content in MP3 and MP4 formats by simply changing the URL to http://172.16.120.55:6969 (localhost).
- Enabled downloading of 1080p videos, a feature that many current online YouTube downloaders do not provide.
- Created a Docker container with Python image, ensuring compatibility across multiple devices without issues.

Technical Skills

Languages: Rust, Python, Dart, C++
Frameworks: Flutter, Flask,
Tools:: Docker, Firebase, Git, Android SDK
Concepts: Severless Computing, API, Database, Web scraping (BeautifulSoup, Selerium)

Achievements

- **All India Rank 13757** in **JEE Advanced**, the most prestigious engineering entrance exam in India.

- **All India Rank 8166** in **JEE Mains**, in a total of **11,13,325** candidates across India.

- **All India Rank 680** in **WB-JEE**, in a total of **1,24,919** candidates across India.

Social Engagements

Club Member : Fine Arts Club (FAC), Club Of Programmers (COPS)
Creative Coordinator: at Technex'24 - IIT-BHU's Annual Cultural Fest
Sports-Engagements: Badminton(state-level)