Devanshu Chatterjee

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| --- | --- | --- | --- |
| Education |  | Technical Skills | |
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|  |  |  |  |
| B.Tech (Information Technology) |  |  | LANGUAGES: C++, Python, Javascript |
| 9.37 CGPA | *Upto 5th Semester* |  |  | FRAMEWORKS: React.js, Next.js, Node.js, |
| Dec 2020 - Aug 2024 | IIEST, Shibpur |  | Express.js, TailwindCSS |
|  |  |  | TOOLS: Linux, Git, Postman |



Intermediate (ISC board)

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| 98.75% | *PCM & CS* |  |  |
| 2019 | City Montessori School, Lucknow | |
| Experience |  |  |
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|  |  |  |
| Full Stack Developer Intern |  | [Gramoday](https://gramoday.net/) |
| Jul 2022 - Sep 2022 |  | Remote |
| Contributing to Gramoday web app by designing pages, | | xing UI bugs & |
| functional bugs on React.js & Redux toolkit. | |  |



Contributing to Gramoday API by managing ingestion, endpoints, authentication on MongoDB, Firebase & Express.



Frontend Developer Intern [Hirable](https://www.linkedin.com/company/hirable-me/about/)



Mar 2022 - Jul 2022 Remote

Contributing to Edtech websites named Hirable & MetaDev by designing frontend components and integrating with backend.



Creating custom and reusable components using Tailwind CSS & Next.js.



Projects



Video Keyframe Extractor

Python, OpenCV, Imagehash



Extract Keyframes/Presentation Slides from recorded videos. Learned about python-opencv library and imagehashing algorithms along with matplotlib to analyse data.



Learned about modular python code and independent modules.



Source-code: [Github](https://github.com/01-DC/video-keyframe-extractor)



noob docs

React.js, Socket.io, Express, MongoDB



Collaborate over text documents or code without the hassle of logging in.



Learned about WebSocket protocol and React hooks.



Server deployed on Heroku and database on MongoDB Atlas.



Source-code: [Github](https://github.com/01-DC/noob-docs)

Deployed URL: [Link](http://noob-docs.vercel.app/)



Video Classi cation using CNN+RNN

Tensor ow, OpenCV, NumPy, matplotlib, scikit-learn



Trained a neural network to classify videos by single labels based on actions begin performed in it.



Used UCF-50 public video dataset. OpenCV for extracting frames from videos. CNN for feature extraction from each frame. RNN for analysing frames of video in sequence.



Model performs with an accuracy score of 0.9016.



Source-code: [Github](https://github.com/01-DC/Applications-Of-RNN/blob/main/HAR_on_UCF50.ipynb)

Achievements



Selected in Amazon ML Summer School 2022. Ranked 9th out of 360 in MachineHack ML work hours prediction challenge.



Earned Postman Student Expert badge. Selected in Microsoft Learn Student Ambassadors program.



Ranked 1127th globally in Google Kickstart 2021 Round H.



Ranked 960th in India and 2580th globally in Google Hashcode 2022.



Mental health track winner in HackNITR 3.0 hackathon by MLH.



Public Pro les



Leetcode: [1\_DC](https://leetcode.com/1_DC/)



Google Cloud: [Qwiklabs Pro le](https://www.qwiklabs.com/public_profiles/8572fcf2-ca53-4de5-95d9-fc328b53a707)



Behance: [My Artworks](https://www.behance.net/dc4190)



Volunteering



Secretary SCAGE



Oct 2022 - Current IIEST, Shibpur

Society of Creative Arts and Green Environment



Managing entire working of club and all events. Conducting activities and organising events to promote creativity among students.



Tech Lead GDSC IIEST



Sep 2022 - Current IIEST, Shibpur

Managing technical requirements and logistics of events.



Taking sessions on topics like development, open source and machine learning.



Website: [URL](https://gdsc.community.dev/indian-institute-of-engineering-science-and-technology-shibpur-howrah/)



Core Team Member CodeIIEST



Mar 2021 - Current IIEST, Shibpur

Took sessions on C++ programming concepts. Conducting sessions under Open Source and Development chapter.



Editing session recordings for Youtube channel.



Youtube Channel: [URL](https://www.youtube.com/c/CodeIIEST)

My Sessions: [01](https://youtu.be/CAIRhaUaUBQ) | [02](https://youtu.be/pnflD2WF7oA)