**HIMADRI SANKAR CHATTERJEE**

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| Website: <https://crazylazylife.github.io/> |

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| Github Profile: <https://github.com/crazylazylife> |

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| Objective |  |
| Avid learner with the ability to quickly grasp the basics on any topic of interest. Have been inclined to the field of artificial intelligence, especially deep learning, from the beginning of higher studies and worked on some interesting projects. Also, with a knack in competitive programming, have been active on code-chef, hacker-rank and others competitive coding platforms.  SKILLS  Programming Languages: Python, C, Java, C++  Computer Vision Libraries (Python): OpenCV, Pillow, Scipy  Deep Learning Frameworks (Python): Tensorflow, Keras (Tensorflow backend), Pytorch  Others: HTML, CSS, JavaScript, ReactJS |  |
| Education |  |
| Don Bosco, Bandel. 2004 - 2014  Indian School Certificate Examination Hooghly Collegiate School, Hooghly. 2014 - 2016  West Bengal Council for Higher Secondary Education Ramakrishna Mission Residential College (Autonomous), Narendrapur. 2016 - 2019  Bachelor of Science | Computer Science Vellore institute of technology, vellore. 2019 - 2021  Masters in Computer Application  CERTIFICATION & HACKATHONS Coursera 2018 Deep Learning Certification Completed three courses on deep learning under the Deep Learning Specialization, instructed by Andrew Ng. DEVJAMS’19 2019 HACKATHON Participated in the Hackathon organized by DSC VIT, where we build an android app for indoor navigation using Android Studio and ARCore plugin. | |
| Projects |  |
| Galaxy Zoo Classification Project. |  |
| * This was the final year project for my Bachelors study, implementing the ResNet 18 CNN architecture to classify images of galaxy into 37 classes based on the given combinations of properties as obtained from crowdsourced volunteers. Achieved an accuracy of ~90%. |  |
| Kaggle Pulsar Star Classification. |  |
| * Implemented a simple Neural Network to classify the astronomical data about a star, into a pulsar or a non-pulsar star. Achieved an accuracy of 98.14%. |  |
| Movie and TV Show Dataset Analysis.   * This project utilizes the BeautifulSoup web-scraping library in Python to extract information on the top 1000 movies from the IMdB website. Some initial data analysis was performed on the data.   Convolutional Neural Network from Scratch using Tensorflow. |  |
| * Implemented a simple CNN architecture, using Tensorflow, to classify the Extended-MNIST dataset. It achieved an accuracy of over 92% after a few initial epochs. Implemented while following the online courses to understand the concept deeply. |  |
| Crowd Behavior Analysis using Deep Learning. |  |
| * This ongoing project was implemented to classify video footages of crowd into either violent or non-violent using the C3D architecture. Current testing accuracy achieved is around 62%. |  |
| Activities |  |
| Content Writing Internship  *TechGeekers* |  |
| A technical content writing internship for an online blog. It was a work-from-home internship. |  |
| Facebook Udacity Pytorch Scholar  *Udacity*  Got selected among 5000 students in the Private and Secure AI by Facebook and Udacity. |  |
| |  | | --- | | Published skill for Google Assistant and Amazon Alexa: | | Tried my hand on chatbot development by building simple quiz skills for the Google Assistant and Amazon Alexa. The name of the skill is “Messi Quiz”.  My blog-article “[Various Types of Convolutional Neural Network](https://towardsdatascience.com/various-types-of-convolutional-neural-network-8b00c9a08a1b)” got published in Towards Data Science in Medium. | |  |
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