Tabarakul Islam Hazarika

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EDUCATION

Kaziranga University   Jorhat, India

Bachelor of Technology - Computer Science and Engineering   *2021 - 2025*

GPA: 8.01/10

Relevant Coursework:

● Data Structures and Algorithms, Introduction to Computer Systems, Fundamentals of Computer Science

● Multivariate Calculus, Concepts of Mathematics, Differential and Integral Calculus

SKILLS SUMMARY

● **Languages:**   Python, C, C++, Kotlin, HTML, CSS
● **Frameworks:**   Tensorflow, Pytorch, Numpy, Pandas, Django, Flask, Jetpack Compose
● **Tools:**   AWS, Ngnix, Git, Github, Docker, Jupyter Notebook, Anaconda, Android Studio, VsCode, Figma
● **Soft Skills:**   Problem Solving, Excellent Communication Skills

EXPERIENCE

Adani Airport Holdings, LGBI Airport, Guwahati - *IT Intern*   *On-Site, December 2023 - January 2024*

● Thorough study on implementation of IT at an airport and DigiYatra which uses facial recognition for faster boarding of passengers.

PROJECTS

Neural Network BareBones   [Github Link](#)

● *Scratch Implementation of a **Neural Network***
  ○ Developed a Neural Network **from Scratch**, gained deep understanding of a neural network by implementing forward propagation, loss computation and backpropagation
  ○ Mastered the **complexities of backpropagation**, the core mechanism behind neural network training, enhancing comprehension beyond library abstractions.
  ○ Designed a **flexible architecture** allowing the addition of **any number of layers** and activation functions, catering to diverse application needs.
  ○ **Tech:** Python, Numpy

Django-Stream   [Github Link](#)

● *Private Network Video Streaming Platform*
  ○ Created an OTT-like platform using Django to **stream videos/movies** on a **private network** such as hostels, optimizing for local access and security.
  ○ Utilized **HTTP Live Streaming (HLS)** to deliver smooth, **low-buffer video playback** with **adaptive streaming** quality for diverse bandwidth conditions.
  ○ **Scalable and Efficient**, handles multiple concurrent streams, ensuring high performance and reliability across the network.
  ○ **Tech:** Python, Django, HLS, Js, Docker

LINKS

● **Solved 100+ problems on Leetcode:**   [/themid6t](#)
● **Medium:**   [/@themid6t](#)