Nandeesh Bhatrai
Indian Institute of Technology, Goa

Second Year **Undergraduate**, **Computer Science and Engineering**
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Github: **www.github.com/nandeeshbhatrai**

Education

BTech, Computer Science and Engineering, Indian Institute of Technology Goa	CGPA : **7.43/10**	2022 – Present
Class 12, CBSE, kendriya vidyalaya AFS, Borjhar	Aggregate: **89.8** %	2021 – 2022

Experience

Software Development Engineer (SDE) Intern at Bluestock Fintech[**Certificate**]   (June 2024 – Aug 2024)
    Tech Stack: HTML, CSS, JavaScript, DJango
- A full stack web application for stock buying and selling.
- Made an admin dashboard for manual addition of stocks/IPOs.

News Sentiment analysis for Economic predictions   (June 2024 – Present)
    [Under the Guidance of Dr. Clint P. George and Dr. sunil Paul | IIT Goa]
    Tech Stack: Python
- Working on the thesis topic "Measuring Economy Index using Financial News Articles".
- Trying to evaluate the status of Indian economy's inflation using daily newspapers.

Projects

One shot Image Classification [Github]   (May 2024 – May 2024)
- **CNN** model that correctly differentiates between two faces.
- The model is based on the **Sismese Neural Networks**.
- **TechStack:** Python, OpenCV, TensorFlow.
- **Future:** High accuracy facial recognition locks, low light facial recognition, infrared image narcotic detection, etc.

Captcha Recognition [Github]   (Jan 2024 – Jan 2024)
- **CNN** model to correctly identify a captcha of 5 characters, implemented using **Python**.
- The model tries to guess all five characters of the captcha individually, and then return the overall result, with above 80% accuracy for each individual character.
- Programmed on python, using numpy and TensorFlow, without using any pre-existing OCR Models.
- **TechStack:** Python, TensorFlow, Keras.

Disney+ Website Clone [Github]   (July 2023 – July 2023)
- Created the front-end of Disney+ website.
- Built using **React JS**, **JavaScript** and **Styled-components**.
- **TechStack:** HTML, CSS, Styled-Components, React JS, figma.

Skills

Programming Skills:	Python, C++, JavaScript, React JS, HTML, CSS, VHDL, Bash and shell-scripting
Development Skills:	Machine Learning(ML), Deep Learning(DL), Natural Language Processing(NLP), Competitive Programming(CP), Data Structures and Algorithms(DSA), Object Oriented Programming(OOPs), Web Sockets, Web Scraping, Git, GitHub, Linux
Framework/Libraries/Tools:	NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow, PyTorch, OpenCV, Burp-Suite, Postman.
Relevant Coursework	Data Structures and Algorithms, Algorithm Design and Analysis, Operating Systems, Artificial Intelligence, Probability and Statistics, Computer Networks

Positions of Responsibility

General Secretary, Technical Affairs	Head of all technical clubs and in-charge of IIT Goa's technical fests and events.	(2024 – Present)
Coding and IT Clubs Secretary	Head position of IIT Goa's all programming clubs, leading more than 50 students in 4 clubs	(2023 – 2024)

Achievements

- 5th out of more than 150 teams in ML Codefest, organized by IIT Jodhpur   (2023)
- **Leetcode**: Knight , Max. 1897 , solved 450+ questions
- **CodeChef**: 3 star ,Max. 1697
- **Codeforces**: Pupil, Max. 1308
- JEE Adv. AIR 3839   (2022)
- Won Gold medal in Intra-College Chess Championship[**Certificate**]   (2024)
- Won Gold medal in Intra-College Badminton Championship[**Certificate**]   (2024)

Extracurriculars & Hobbies

- Playing **Chess**. Selected for Inter IIT Sports tournament for Chess.   (2024)
- Hosted Intra-college coding contests for DSA and Competitive Programming. Incharge of Yearly Competitive contest, namely Game Of Codes.   (2023)