

# Nandeesh Bhatrai

Indian Institute of Technology, Goa

Second Year **Undergraduate, Computer Science and Engineering**

Address: Bhat's paradise, Mirzapur, Guwahati, Assam

E-mail: [nandeesh.bhatrai.22031@iitgoa.ac.in](mailto:nandeesh.bhatrai.22031@iitgoa.ac.in)

Mobile: +91 9101749095

LinkedIn: [www.linkedin.com/in/nandeeshbhatrai](https://www.linkedin.com/in/nandeeshbhatrai)

Portfolio: <https://nandeesh-bhatrai-portfolio.vercel.app/>

Github: [www.github.com/nandeeshbhatrai](https://www.github.com/nandeeshbhatrai)

## Education

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

## Experience

### Software Development Engineer (SDE) Intern at Bluestock Fintech

(June 2024 – July 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**.
- UI/UX designed using **Figma**.
- **TechStack:** HTML, CSS, Styled-Components, React JS, figma.

## Skills

<b>Programming Skills:</b>	Python, C++, JavaScript, React JS, HTML, CSS, VHDL, Bash and shell-scripting
<b>Development Skills:</b>	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
<b>Framework/Libraries/Tools:</b>	NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow, PyTorch, OpenCV, Burp-Suite, Postman.
<b>Relevant Coursework</b>	Data Structures and Algorithms, Algorithm Design and Analysis, Operating Systems, Artificial Intelligence, Probability and Statistics, Computer Networks

## Positions of Responsibility

<b>Coding and IT Clubs Secretary</b>	Head position of IIT Goa's all programming clubs, leading more than 50 students in 4 clubs	(2023 – Present)
<b>Student Mentorship Program</b>	Selected to mentor 4 Students	(2023 – Present)

## Achievements

- 5th out of more than 150 teams in ML Codefest, organized by IIT Jodhpur (2023)
- **Leetcode:** Knight , Max. 1877 , solved 400+ questions
- **CodeChef:** 3 star ,Max. 1697
- **Codeforces:** Pupil, Max. 1264
- 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)