

# Tanmay Singh

Mobile: +91-9565640511

Github: [github.com/singhtanmay6735](https://github.com/singhtanmay6735)

Email: [singhtanmay0915@gmail.com](mailto:singhtanmay0915@gmail.com)

Linkedin: [linkedin.com/singhtanmay345](https://linkedin.com/singhtanmay345)

## EDUCATION

- Bennett University (Times of India Group)** Greater Noida, India  
*Bachelor of Technology - Computer Science Engineering;* *Oct 2020 - 2024*  
**CGPA: 9.11**  
**Specialisation:** Artificial Intelligence  
**Courses:** Data Structures, Analysis Of Algorithms, Operating Systems, Computer Networks, Database Management Systems, Statistical Machine Learning, Artificial Intelligence & Machine Learning, Intelligent Model Design using AI, Deep Learning, Natural Language Processing  
Semester I - 8.55 SGPA  
Semester II - 9.57 SGPA  
Semester III - 8.91 SGPA  
Semester IV - 8.61 SGPA  
Semester V - 9.82 SGPA

## SKILLS SUMMARY

- Languages: Python, C++, SQL
- Frameworks: Scikit, NLTK, SpaCy, TensorFlow, PyTorch
- Tools/Softwares: Microsoft Power BI, Excel, Git, Github, LaTeX
- Platforms: Linux, Windows

## RESEARCH EXPERIENCE

- eudaiTec GmbH** Berlin, Germany (Remote)  
*Undergraduate Researcher (NLP) (Part-time)* *Oct 2022 - Present*
  - Currently working on NLP based research project- Fake News Classification
  - Developed a novel dataset and published a paper in the 4th Doctoral Symposium on Computational Intelligence (DoSCI-2023)-An International Conference. [Link](#)
  - Currently developing an automated fake news detection method using **VAE and LDA models** for efficient and interpretable classification.
  - Aim to contribute towards combating fake news by leveraging NLP techniques.
  - Guides: Ms Shivani Tufchi (PhD Scholar), Dr Tanveer Ahmed (Associate Professor), Dr Ashima Yadav (Assistant Professor))
  - **Skills: Python (Programming Language) · Nltk (Library) · keras(Library) · tensorflow (Library)**

## EXPERIENCE

- School of Computer Science Engineering & Technology, Bennett University** Greater Noida  
*Student Teaching Assistant- Computational Thinking & Programming with Python (Part-time)* *Sept 2022 - Dec 2022*
  - **Taught Python** in Lab sessions to first-year students.
  - Supported the faculty by **Preparing Python questions** for lab practice and helped in **marking students' assignments**.
  - Helped in planning learning activities with the course coordinator.
  - **Mentored three batches of 30 students each** and helped them in their development.
  - **Skills: Problem Solving · Python (Programming Language)**
- WSP in India** Noida  
*Data Analyst (Full-time, Internship)* *May 2022 - August 2022*
  - Worked on Data Formatting, Organized and cleaned messy data.
  - Worked on Importing Data from SharePoint and other sources, Transforming Data, Data Modelling, DAX, and creating visuals.
  - Researched on how to use Python in Power BI. **Developed a dashboard** using Python Visuals in Power BI.
  - **Skills: Python (Programming Language) · Microsoft Power BI · Microsoft Excel**

## PROJECTS

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- **NEWSshorts- "Stay Updated"** Sept 2022 - Nov 2022  
*Tech: Python, Spacy, NLTK, TensorFlow*
  - Developed an **NLP based application** which **translates and summarizes news articles and videos**.
  - Extracted transcript from YouTube video and summarised the content. **Successfully made 10 minutes video, a 3-4 minutes read**
- **Machine Learning aided prediction of Polycystic Ovary Syndrome** Feb 2022 - May 2022  
*Tech: Python, scikit-learn*
  - With 3 other undergraduates and under guidance of two assistant professors, applied different ML algorithms to **predict PCOS and did a comparative analysis of all algorithms**.
  - Random Forest algorithm gave the best results with an **accuracy of 93%**.
- **Logichain "Blockchain-ging Logistics"** Sep 2021 - Nov 2021  
*Tech: HTML, CSS, JS, Node.js, web3, Solidity.*
  - Logichain is a blockchain-based supply chain project. Its aim is to remove paper-based transactions from the logistics sector and make payments efficient.
  - Worked on developing the backend of the project, built APIs to connect to the Ethereum Network and integrated Metamask wallet

## VOLUNTEER EXPERIENCE

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- Student Committee Member, Career Services Center, BU June 2022 - Present
  - Helped during placement drive of seniors.
  - Organised two university level hackathons : COMP-A-THON and Hackathon + in collaborations with Here Technologies
  - Helped other students in making their CVs
- Cabinet Minister for School Dean Jan 2022-June 2022
  - Worked with the student cabinet of School of Computer Science Engineering & Technology.

## ACHIEVEMENTS, HONORS AND AWARDS

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- **Letter of Appreciation for academic performance**
  - Received LOA from Dean, School of Computer Science Engineering & Technology for being in the top 2% of the class.
- **30 Days of Google Cloud Program 2021**
  - Completed Cloud Computing Track and Data Science & Machine Learning Track
- **Certificate Of Achievement - Project Showcase**
  - Awarded **2nd Position** in Event Project Hack
- **Certificate Of Achievement - Redesign the Web**
  - Awarded **1st Position** in Redesign the Web, APOGEE'23, BITS Pilani

## CERTIFICATIONS

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- **Natural Language Processing with Probabilistic Models**
- **Natural Language Processing with Classification and Vector Spaces**
- **Natural Language Processing with Attention Models**
- **Neural Networks and Deep Learning**
- **Structuring Machine Learning Projects**
- **Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization**
- **Fundamentals of Deep Learning**