Anushree Jain

## Roll No.: 1601CS54

B.Tech - Computer Science Engineering Indian Institute of Technology Patna

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**EDUCATION**

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| --- | --- | --- | --- |
| **Year** | **Degree / Certificate** | **Institute / Board** | **CGPA/Percentage** |
| 2016 - Present | B.Tech | Indian Institute of Technology Patna | 9.0 (CPI) |
| 2016 | Senior secondary | CBSE board | 95%(PCM) |
| 2014 | Secondary | CBSE board | 10.0 |

**EXPERIENCE**

**Intern at American Express**

Project Title: Web Scraper, an Automation and Synchronization Tool

*May 2019 - July 2019* [*www.americanexpress.com*](http://www.americanexpress.com/)

**Deep Learning Research Internship at Bennett University** *May 2018 - July 2018*

Project Title: ChatBot using NLP

# PROJECTS

**Fake News Detection| Prof. Sourav Dandapat**

BTP Project on detection of Fake News on Social media using Propagation paths.

# Streaming Feature Selection| Prof. Sriparna Saha

[*www.leadingindia.ai*](http://www.leadingindia.ai/)

*Ongoing Ongoing*

*A multi-objective-based online feature selection technique which utilizes concepts of shared nearest neighbor distance, entropy, mutual information, and multi-objective PSO to optimize these measures simultaneously and obtain reduced feature set*

**Web Scraper, an Automation and Synchronization Application** *May 2019*

* *Utilized Selenium for Login Automation and implemented a Scraper and Parser using JSoup delivering JSON file and Java Classes using the parsed data.*
* *Improved observability using Loggers and did Unit testing using JUnit.*
* *Developed a Spring Boot REST Application*

**Android App for GitHub Repo Search** *March 2019*

* Built a simple android application to search for any GitHub repository along with useful filters like no. of forks, stars, etc. by accessing GitHub API via Http Requests.

# Training and Placement cell Web Application

* Developed a Web Application using Django and MySQL for the smooth operation of the placement cell
* Designed Interface along with features for Job Seeking, Qualification, Dashboards, Submitting Applications, Login portal, etc. for managing Training and placement cell activities at IIT Patna

# ChatBot using NLP

*Nov 2018*

*June 2018*

* Implemented a Recurrent Neural Networks (RNN) based model for chat-bot and worked on bleeding edge tech such as GloVe word-embedding, Sequence2Sequence models, autoencoders and deployed multi-layers of Long Short Term Memory Networks (LSTM) using Keras
* Developed GUI for the same using Tkinter

**Tic Tac Toe Game**(Self Project)

* Created a Single Player tic tac toe game using JavaScript, HTML, and CSS.
* Implemented Minimax Algorithm to build unbeatable AI

# Basic Machine Learning Projects

* *Implemented a Logistic regression model to predict the Diabetic patients, Linear Regression for predicting house prices and K- Means, DBSCAN clustering to analyze the gene characteristics.*
* *Designed a multilayer perceptron to simulate XOR and feedforward networks from scratch to evaluate MNIST and IRIS dataset in terms of precision, recall, f-score, and accuracy*

**Video Player Controller with Hand Gestures**

* Implemented Hand gesture controlled VLC video player by combining the Power of Arduino,

Ultrasonic sensors and Python and utilized it for feature control like Play/Pause, Volume up/down and Fast-forward/Rewind

*Feb 2018*

**Programmable Drone|Innovation Lab**

–Built a programmable UAV from scratch which was able to perform programmed missions. Furthermore implemented GPS support on the UAV using a microcontroller.

# TECHNICAL SKILLS

**Programming languages :** C++, Python, Java **Web technologies :** HTML, CSS, Javascript **Database management :** mySQL **Miscellaneous :** Android programming ,NodeJS

**Data Analysis**: NumPy, Scikit-Learn, Pandas, Keras, TensorFlow

# POSITIONS OF RESPONSIBILITY

## Technical Secretary, Student Gymkhana, IIT Patna (2017-2108) Social Head | Rural Technology Development Club (2017-2108)

Marketing and Sponsorship Coordinator and Core Committee member, Techno-Management Fest

**ACHIEVEMENTS**

Got a rank of 234 in the first attempt **Google Kickstart**

Got a Selected for **TechGig Geek Goddess** Grand Finale 2019 with rank of 68

*Feb 2018*

**KEY COURSES UNDERTAKEN**

Data Structures and Algorithms

Artificial Intelligence and Foundations of Machine Learning\*

Probability and Stochastic Processes, Statistics

*\* To be completed in Nov 2018*

Calculus, Linear and Abstract Algebra Operating Systems

Computer Networks

**EXTRACURRICULARS**

**6th Inter IIT tech Meet:** Represented college in Engineer’s Conclave and secured overall 7th rank among all IITs (2017)

**Inter IIT Sports Meet:** Represented college in Badminton held at IIT Kanpur (2016)

**All India Inter School British Council Drama:** got selected for All India Drama Fest and represented my school (2013)