VINAYAK BHARDWAJ

UG Third Year
IIT(BHU) Varanasi

Email: vinayak.bhardwaj.bme16@iitbhu.ac.in
Phone: +91-8800334544

Academic Details

Year	Degree	Institute	Percentage/CGPA
2016-Present	BTech + MTech (IDD)	Indian Institute of Technology Varanasi	8.62/10
2016	Class XII CBSE-AISSCE	DDPS, Ghaziabad	91.8%
2014	Class X CBSE-AISSE	Ryan International School, Ghaziabad	9.0/10

Skills & Interests

Programming Languages: Python, SQL, Java, XML, C, C++
Areas of interest: Data Science, Business Intelligence, Machine Learning
Data Science: Pandas, Numpy, scikit-learn, Seaborn, Matplotlib
Non-Technical: Photoshop, Adobe Premier Pro, After Affects, Video Editing, Project Management

Projects

Detection of drowsiness while riding

Dr. Shiru Sharma

Stream Project   *Jan 2019 - Present*

· Selected to pursue stream project leading to substantial advancement in research process and product development through innovation and design.
· Working on developing a Deep Learning based model in order to prevent sleep while driving.
· Deploying various Supervised learning algorithms such as **Naïve-Bayes, Logistic Regression,** SMO **& Random forest.**
· All implementation is done using Python, and the Weka machine learning library.

Netflix Movie Recommendations   *Oct-Nov 2018*

· Developed a movie recommendation engine in Python using sklearn and vowpal wabbit.
· Implemented three machine learning techniques – **dimensionality reduction, collaborative filtering, classification algorithms**
· The engine could predict (averaging over 500 profiles) a favorite movie amongst the top 3 suggestions

Java Game Development

Summer Training   *June - July 2018*

· Developed a desktop multiplayer game from scratch on **JavaFX** platform.
· Implemented concepts of OOPS, file handling, exception handling and designed the game UI using XML
· The project was made on **IntelliJ IDE** and executable .jar file is available online.

Positions of Responsibility

SECRETARY

Cine Club, Film & Media Council   *April 2018-Present*

·Elected amongst the entire third year batch after social and academic assessment along with careful peer review and regularly conducted workshops and screenings for entire first year batch comprising of **900+** students.
·Led a 3-tier team of 60 students to ensure effective running of college's most socially active community by executing multiple projects in the field of cinema.
· Regularly broadcasting of events across the institute under FMC-TV with YouTube views of 350,000+ and Facebook likes of 8,100+

PR Executive

FMC Weekend 2018   *June -November 2018*

· Part of a 4-member core team of Public Relations team at India's first Digital arts and creativity fest.
· Successful in associating with renowned digital arts personalities like Amitabha Singh (National Award-Winning Cinematographer), Binal Shah (Hollywood Animator), etc.

Coverage Head

Technex 2018   *March 2018*

· Led a team of 43 students at India's Oldest Techno-Management Festival which saw a participation of over 35,000 people from 100 cities.

· Responsible for coverage of 50+ events across 3 days with proper scheduling, management, team and time division.

Extra-Curricular Activities

SPORTS	- Part of silver medal winning badminton team in Spardha, India's Largest Games & Sports Festival. - Represented institute badminton team in **52nd Inter IIT Sports Meet** at **IIT Madras**, Sportech **IIT Delhi** and Aavhan **IIT Bombay**
FILM-MAKING	- Part of 2nd Runner's up at 48-Hour Short Film-Making Competition at **Inter IIT Cultural Meet 2017** held at **IIT-Kanpur** - Part of 3rd,4th,5th place at offline short film making, online short film making and screenwriting competition respectively at Inter IIT Cultural Meet 2018 held at **IIT-Roorkee**
MANAGEMENT	- Organization and planning of 15+events across all the societies of the institute - Had been associated with every fest in the college.
MEDIA	- Core team member of student media body of the institute - Written articles for The Quest, monthly college's newspaper read by over ten thousand people