Harsh Nadar

D-905, Ansal Courtyard, Modipuram, Meerut, UP (250110)

✉ harshnadar.eee18@itbhu.ac.in   ⭘ harshnadar   ☐ 6397419551

EDUCATION

Indian Institute of Technology (BHU), Varanasi	**Varanasi, UP**
B.Tech in Electrical Engineering GPA: 9.18/10.0	*Expected Graduation: June 2022*
GTB Public School	**Meerut, UP**
PCM AISSCE : 97%	*Passed: May 2018*

Skills

- Languages: C, C++, Python, HTML/CSS, Javascript, Java, SQL
- Frameworks and Technologies: Scikit-Learn, Tensorflow, React, REST, Spring, Beautiful Soup
- Relevant Courses: Probability and Statistics, Artificial Intelligence, Linear Algebra, CSO 101, Trading Basics, Sequence Time Series and Prediction

EXPERIENCE

Bank of New York Mellon — Remote
Software Engineer Intern — *May 2021 - July 2021)*

- Worked on creating the blue-print of the Spring Scheduler as a part of CCT (Clearance and Collateral Technology) team.
- Used in memory database (HSQLDB) to fill in the input columns, and then triggered the task automatically if it passed the corner cases.
- Worked on Low-Level Design including table design, service layer, decoding the corner cases and code structure.
- Exposure: Spring Boot, Maven, Spring Scheduler, Spring Data JPA

ISB Hyderabad — Remote
Data Intern — *April 2020 – Aug 2020*

- Worked under Prof. Anand Vijayasankaran on his project on Organisational Behavior.
- Ascertained and defined various sources to extract data suitable for the research objective. Used web scraping techniques to extract useful information related to CEO/CFO/CTOs and companies from various sources like Wikipedia, Glassdoor, Mergentonline, etc.
- Worked on thousands of downloaded text files to extract information. Used Regex in python and preprocessed the same into a data frame ready for analysis.
- Exposure - Web automation, Web scraping, Regex, Data Preprocessing

PROJECTS

IPL Dashboard — *May 2021 - June 2021*

- Built a Full Stack Web App.
- Built a REST api using Spring Boot after processing the data.
- The api was then consumed by React to showcase data on the frontend
- Exposure: REST, Spring Boot, Spring Data JPA, Spring Batch, HSQL DB, React JS

Outreach Exercise for TV Audience Measurement — *Nov 2019 – Dec 2019*

- Current Television Audience Measurement systems can become handy in monitoring a person's mental health by adding one more tool to the setup- a way to detect their response to the type of content that was consumed
- Captured heart rate data through fitness bands. The band would send the PPG(sensor) signal in real-time.
- Implemented a basic CNN model after preprocessing the data to determine short-term emotions.
- Exposure: Deep Learning, Data Preprocessing, Neural Networks

Predict Citation Count for Research Papers *Aug 2019 – Aug 2019*

- Train.csv - This had research papers with several attributes and their citation counts. Author.csv- Each research paper had several authors and various attributes about these were given in this.
- Feature Engineering - For a particular research paper, used author data to gather the top 3 common interest fields for all the authors in that particular paper.
- Model - Converted the top 3 topics for each paper to an embedded vector of 8 dimensions Then applied a simple neural model with activation function "selu"

Position of Responsibility

- **Secretary | Business Club, IIT BHU**: In charge of the Club's Product, Analytics and Finance wing. Revamped online content delivery making it more targeted. Worked on the maiden IIT(BHU) Institute Casebook. Collaborated with other IITs and Organizations for various events in the domains of Finance and Product.
- **Founding Member | Share, IIT BHU Chapter**: ShARE is an innovative start-up at the crossroad of education and consulting.

Achievements

- **Gold | Inter IIT Tech Meet 9.0, IIT Guwahati**: Gold medal in The Product Folks Product Case Study Competition. Worked on various methods to automate payouts on an early stage Startup App: Kaching.
- **Gold | Inter IIT Tech Meet 8.0, IIT Roorkee**: Awarded for event 'Outreach Exercise for TV Audience Measurement'. Current Television Audience Measurement systems can become handy in monitoring a person's mental health by adding one more tool to the setup- a way to detect their response to the type of content that was consumed. The event was judged by Alphonso.
- **Expert** on Codeforces (handle: _idgaf_ , rating: 1617)
- **First** amongst first/second year in Machine Learning event "Enigma", organised by Dept of Computer Science, IIT BHU as a part of Codefest'19.
- **Top 1 percentile**: Data Science Competition (Cascade Cup) organized by IIT Guwhati in Association with Trell
- **Hult Prize Bangkok regionals Finalists**: Pitched a startup idea that aimed at controlling food wastage in office spaces. Stood second at campus level and were called for pitching in Bangkok regional finals.
- **Third** in "Bulls on the Floor", virtual stock trading event in TECHNEX'20