VISHNU KUMAR

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EDUCATION

Undergraduate	**Institute of Engineering & Technology, Lucknow**	*June 2017– May2021*
Bachelor of Technology in Computer Science & Engineering		**GPA : 8.70**

EXPERIENCE

Web Developer Intern   **Decodr Technologies**   *May 2020 –June2020*

- ➢ **Responsibility:**Led a team of 5 to develop a website(https//www.nexelworld.com) to inspire and empower the next-generation entrepreneurs and leaders of the world.
- ➢ **Features Added:**
  - ➢ Implemented live chat feature where mentors,investors,startups,and service providers can interact.
  - ➢ Integrated a read receipt feature in the live chat.
  - ➢ Integrated profile picture uploading feature in the stakeholders' dashboard.
  - ➢ Did some of the major and minor UI improvements.
  - ➢ Implemented a new feature to know the online status of the user.
- ➢ **Technology Used:** Node Js,ReactJS,socket.io

TECHNICAL PROJECTS

1 .Early Sepsis Detection Using machine Learning through physiological data(SIH2019)   **Feb2020-Mar2020**

- ➢ Developed a digital solution that takes physiological data and uses a Machine Learning Model..
- ➢ Detects patients deterioration before it's too late and triggers **notifications** to clinicians and care teams.
- ➢ Created a **website** for spreading awareness regarding sepsis and a **telegram chatbot** for general queries.
- ➢ Integrated ML Model with website through a portal for early Detection.
- ➢ **ML Models:** Logistic Regression,Gradient Boosting Algorithm**(**Accuracy : 83.1% **|** Precision : 0.6311**)**
- ➢ **Technology Stack** : **Website (** HTML5 | CSS | BOOTSTRAP | JAVASCRIPT | JQUERY | FLASK**)**
  Telegram bot (Python | Telegram API**)**
  Detection (Numpy | Pandas | Scikit-learn | Xgboost | JupyterNotebook**)**
  Notification:-pynotify,requests etc.

2.COVID19 Dashboard India (Converted Into an Android App)   *Apr2020-Ongiong*

- ➢ Developed a Dashboard Application which shows the live Updates of the COVID19 cases in India.
- ➢ Application provides the graphical view of the data,its progress.(Analysis of the data Graphically).
- ➢ Provides state wise analysis of the cases.
- ➢ Python script **scraps the data** from different websites and uses it to analyse and to show on the dashboard.
- ➢ Android app uses an API to fetch the data and show .
- ➢ **Technology Used : Dashboard:(Python | Web Scraping | Dash|HTML|CSS|Matplotlib|Numpy|Pandas)**
  App:(Java | Android | API)

3.VkAssistant-Replication of voice controlled System like alexa *(Converted into a React Application)* **Oct2019-Dec2019**

- ➢ Developed a **System** is able to automate the most frequent tasks based on voice command.
- ➢ System can **search Wikipedia**,open common *websites like google , codeforces , youtube etc*.,tell you the current time , play music, open pdf, tell jokes.
- ➢ Python script **scraps weather** conditions using api and announces **the weather of the city.**
- ➢ Python script **scraps news** using api and then **notifies the news on the Desktop.**
- ➢ **Technology Used : (Python | Web Scraping | Speech Recognition API)**

ACHIEVEMENTS

- ● Secured a position in Semifinals of **IICDC(2020)** competition organized by Texas Instruments and AICTE.
- ● Ranked among top 4 teams across India in **SIH(Software Edition)2019** in Student Innovation hosted by MHRD and AICTE.(IIT Kharagpur).Got Selected for the Finals of SIH2020 as well.
- ● Global rank **1070** in Codechef May Long Challenge codechef out of **9700+** participants. (Handle:vish1811)
- ● Global rank **868** in Codechef Feb Long Challenge out of more than 15000+ participants.
- ● Solved 500+ questions on Various Competitive Coding Platforms in Modern languages like C++,Java,Python.
- ● Reached the Upto 4th stage in **E-Yantra** (Robotics Competition) organized by IIT Bombay.
- ● **848th** place in Google KickStart 2019 F-round.

SKILLS

- ● **Strongest Area –** Data Structure & Algorithm   **Languages** – C/C++, Python, JavaScript, HTML, CSS,Java
- ● **Database** – MySql, MongoDB   **Technologies –** Machine Learning | Web Scraping/Crawling | Git | Android
- ● **Framework & Library –** Node.js | Bootstrap | ReactJS | WebGL   **Platform –** Linux, Windows