AAKASH KUMAR

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Portfolio link: https://starkofficial.github.io/

SUMMARY

- A progressing **full stack application developer**, pursuing bachelor's in Computer Science
- Around **6 months** of professional work experience as an ML Intern

EDUCATION

Lovely Professional University, Punjab, India   *expected July 2022*

Bachelor of Technology in Computer Science and Engineering

Related courses: Web Application Development, Machine Learning, Android Development, Cloud Computing, Object Oriented Programming, Data Structures and Algorithms, Database Management System

TECHNICAL KNOWLEDGE

- Front-end: React, Redux, HTML5, CSS3, JQuery
- Back-end: Node.JS, REST, Laravel
- Database: MySQL, MongoDB, Oracle
- Testing Tools: Selenium
- Languages: Java, Python, javascript, PHP
- Deployment: AWS EC2, Heroku
- Source Control: GitHub
- Data Visualization: Matplotlib, seaborn

PROFESSIONAL EXPERIENCE

Highako- Highradius

Regression model – Machine Learning Intern   *August 2021 – Present*

- Working with Regression Algorithm for **prediction** of target based on **correlations** between dependent and independent variables
- Implemented multiple regression model like **random-forest, Linear-regression** and **LightGBM** and implemented data visualization using **Matplotlib & Seaborn** library.
- For hyperparameter tuning used **Grid Search**, **Random Search** and **Optuna** so that go with ideal model architecture

Indian National Youth Foundation, India   *January 2021 - March 2021*

Web Developer

- Worked on making some **changes** to the website and upgrading the website **functionality** using **WordPress**

ACADEMIC PROJECTS

AI Enabled B2B Invoice Management System   *Summer 2021*

- In the development of App tech stack includes **Java servlet**, **SQL**, **HTML**, **CSS**, **JavaScript**, **Jquery**, **Tomcat**!
- It is a web app that uses **Regression Model** to predict the data with the **MSE ~10** and **50,000 data** sets were included!
- UI supporting **pagination**, editing of **some editable fields**, adding a **new row** to grid, **deleting the row** from grid!

SocialNW   *Spring 2021*

- A social media web app inspired from Instagram used **React** as frontend, **Node** and **express** as backend!
- **Mongo DB** was used as a database that helps to achieve some great features like **session**, **likes** & **comments traversing**!
- functionality includes **make post**, **delete post**, **like** and **unlike**, specific **profile page**, **follow** and **unfollow**!
- **Materialize** was used for better front-end icons!

Ecommerce website like FlipKart   *Spring 2021*

- It is a **fully dynamic** e-commerce web App using **Laravel** with a **token authenticating**!
- **Mysql** was used as a database that helps to achieve some great features to the app, i.e., **session**, **arranging direct links**!
- **Bootstrap** were used for front end!

Recommendation System GUI-Python   *Spring 2020*

- **Python GUI** with the **5000+ movies data** from IMDB, suggesting the new movies having the **similarity** in nature!
- Using the **sci-kit-learn** library, **cosine similarity** and **Count-Vectorizer** to predict similar movies!

EXTRA-CURRICULARS

- Volunteer: Helped the 50+ old people to take the benefit of the digital technology and organized 300+ people health camp.
- Won a Medal for writing an article on Pollution organized by a Hindi newspaper Hindustan.