

# BRIJESH KUMAR YADAV

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## Education

**Jaypee University of Engineering and Technology**

*Bachelor of Technology in Computer Science [CGPA: 8.0]*

**Aug. 2020 – Current**

*Guna, M.P.*

## Coding Profiles

- [Leetcode-Profile](#)
- [GeeksForGeeks-Profile](#)

## Experience

### Teachnook

**June 20223 – August 2023**

*Data Science Trainee*

*Remote*

- Developed proficiency in programming language Python along with libraries such as Pandas, NumPy, and Scikit-learn. Familiarizing with data manipulation, statistical analysis, and machine learning techniques.
- Conducted exploratory data analysis (EDA) to uncover patterns, trends, and insights within the data. Visualizing findings using tools like Matplotlib, Seaborn to communicate results effectively.

### Startup, Inc

**Jan 2023 – March 2023**

*Front End Developer Intern*

*Remote*

- Assisted in development of the front end of a web application using React.js and CSS.
- Worked with Websocket socket.io to facilitate real-time bidirectional communication between web clients and servers.
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.

## Projects

### Real Time Chat Web Application | *React.js CSS JavaScript, Firebase*

**January 2024**

- Developed a React-based real-time chat web application with an attractive UI, emphasizing modern design principles to ensure an engaging user experience.
- Implemented authentication mechanisms to securely log in users and maintain personalized chat logs.
- Integrated Firebase technology to facilitate real-time communication within the web application ensuring users receive updates in real-time without the need for manual refreshing.

### Book Recommendation System | *Python, Numpy/Pandas, Seaborn, ScikitLearn, Flask*

**August 2023**

- Applied feature engineering techniques to preprocess and transform book and ratings data, enhancing the effectiveness of the recommendation system by capturing relationships.
- Implemented a book recommendation system utilizing the k-nearest neighbors (KNN) algorithm to provide recommendations based on user reviews and ratings.
- Extended the credit card fraud detection project by developing a Flask-based web application, enabling users to access fraud detection features through an intuitive and user-friendly interface.

### Credit Card Fraud Detection | *Python, Numpy/Pandas, Seaborn, ScikitLearn, Flask*

**March 2023**

- Developed and implemented machine learning model(Logistic Regression) for credit card fraud detection, leveraging Python and libraries such as scikit-learn.
- Utilized data visualization techniques to analyze and present transaction data trends, aiding in the identification of potential fraud patterns.
- Extended project by developing a Flask-based web application, enabling users to access fraud detection features through an intuitive and user-friendly interface.

## Technical Skills

**Languages:** C++, HTML/CSS, JavaScript, MySQL, Python

**Developer Tools:** VS Code, Jupyter, Matplotlib, Seaborn

**Technologies/Frameworks:** GitHub, WebSocket

## Extracurricular

- **Leadership :** Conducted Seminars to aware students about importance of problem solving coding skills and DSA
- **Team Work:** Demonstrated strong teamwork skills through collaborative project development and effective presentations.