

# Rohan Kumar Dwivedi

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## EDUCATION

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### Maharshi Dayanand University

Bachelor of Technology - CSE with Artificial Intelligence and Machine Learning

Rohtak, Haryana

November 2020 – July 2024

## EXPERIENCE

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### Web Developer Intern

Kreativan Technologies

February 2024 – Present

Chandigarh, HR

- Created a modern prototype in React, enhancing the user experience from the existing WordPress site.
- Improved rendering time and functionality across devices, ensuring a seamless user experience.
- Worked with designers and developers to implement new features and troubleshoot issues.
- Ensured the website was mobile-friendly and adhered to best practices.

### Software Development Intern

TalentServe

June 2023 – August 2023

Remote

- Designed intuitive, responsive, and user-friendly interfaces for a chatbot, enhancing user interaction and satisfaction.
- Identified and resolved bugs in existing websites, improving functionality and user experience.
- Managed code versions and collaborated with team members using Git for streamlined development processes.

## PROJECTS

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### Expensly | JavaScript, React, Speechly, Netlify

- Developed a web-based expense tracker using React, hosted on Netlify for seamless deployment.
- Implemented two dynamic charts to visualize credit and debit amounts, providing clear financial insights.
- Created input fields for various expense types and income sources, allowing detailed financial tracking.
- Integrated a push-to-talk button using Speechly, enabling voice commands for hands-free operation.

### Chess Royale | Python, Flask, Javascript, HTML/CSS

- Developed a dynamic chess game using Flask for the backend and JavaScript, HTML, and CSS for the frontend.
- Designed an intuitive and visually appealing interface to enhance user engagement and enjoyment.
- Integrated multiplayer functionality, allowing users to compete against each other.
- Engineered the game logic and rules, ensuring accurate gameplay mechanics and adherence to standard chess principles.

### SudokuSense | Python, Open-CV, Numpy, Tensorflow, sklearn, kreas

- Developed a Python program to solve 9x9 Sudoku puzzles using webcam input and OpenCV for image processing.
- Employed a neural network to accurately predict digits from the webcam-captured puzzle.
- Implemented an algorithm to solve the Sudoku puzzle and display the solution in real-time on the same frame.
- Ensured reliable performance when the puzzle is placed on a stable surface.

### ChatInsight ML | Python, pandas, matplotlib, streamlit

- Developed a Python program to analyze WhatsApp chat data using machine learning.
- Extracted and processed chats to provide insights such as word usage trends, and sentiment analysis.
- Integrated data visualization tools to present analysis results graphically for easy interpretation.
- Designed a user-friendly interface to input chat data and view analysis reports.

## TECHNICAL SKILLS

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**Languages:** Python, Java, C/C++, SQL, JavaScript, HTML/CSS

**Frameworks:** React, NextJS, Node.js, Flask

**Developer Tools:** Git, Docker, Visual Studio Code, PyCharm, IntelliJ, Eclipse

**Libraries:** pandas, keras, Tensorflow, NumPy, Matplotlib