

Kartike Sachdeva

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EDUCATION

Pathways School Gurgaon

Subjects: CS(SL), Math AI(HL), ITGS(HL), Business(HL), English (SL), Spanish (SL)

Wilfrid Laurier University

Computer Science (BSc)

Gurugram, India.

May 2013 – May 2023

Waterloo, ON, Canada.

Sept 2023 – 2027

EXPERIENCE

Software Development Team

Charles Hudson Technology Solutions

27th June-8th July 2022

Bengaluru, India

- Initiated and worked on front end code and some API's that update the Database when clients perform front end actions.
- worked with a new software MongoDB and used Java, Python to understand professional software development.
- gained experience contributing to the testing software and working extensively in a team.

Data Science and Analytics Team

Hindustan Times Media Group

20th May. 2024 – 19th Aug 2024

Gurgaon, India

- Developed and optimized an intelligent resume sorting system for Shine using Natural Language Processing (NLP) techniques, enhancing candidate matching efficiency.
- Trained Named Entity Recognition (NER) models to accurately categorize attributes from large resume datasets, improving filtering accuracy for specific job requirements.
- Utilized regular expressions (regex) and fuzzy matching algorithms to refine matching processes, resulting in faster and more accurate candidate recommendations..

PROJECTS

Real Estate Management Application | *Java, MAMP Database*

Jan - Feb 2023

- developed a Java real estate management system, focusing on object-oriented architecture to provide maintainability and scalability.
- MAMP was used to integrate the MySQL database, and tables with main and secondary keys were defined for data organization.
- used SQL queries for effective operations, indexing and normalizing data to maximize performance.

Automated Trained Model using NLP/NER | *Python, NLP, NER, Regex, Anaconda,*

March - April 2023

- Developed an intelligent resume sorting system for Shine using advanced Natural Language Processing (NLP) and trained Named Entity Recognition (NER) models to identify key attributes in resumes.
- Utilized regular expressions (regex) and fuzzy matching algorithms for precise job requirement matching, enhancing the model's accuracy with unstructured data.
- Gained experience in NLP model development and data sorting algorithms, applying AI-driven solutions to real-world recruitment challenges.

TECHNICAL SKILLS

Languages:Java, Python, Databases, SQL

Frameworks: MAMP, Anaconda

Developer Tools: VS Code, Visual Studio, Eclipse, Apache NetBeans, MS Access

Libraries: Github

COMMUNITY SERVICE AND LEADERSHIP ACTIONS(UNIVERSITY AND SCHOOL LEVEL)

- General Member of the Halk Walk committee and the Food Bank committee (2024–2025)
- General Member of the Healthy Lifestyles committee (2023–2024)
- Club Member of the Robotics Club (2023–2024)
- A member of the Icebreaker team during orientation week (2024–2025)
- Credited with finishing the Leadership workshop in 2023
- Conducted a workshop for locals to teach about online scams and how to prevent/be safe from them
- Wrote and Published a detailed Research Paper on Growing Impacts of AI on Farming
- Active Robotics club member, aided in different program advancements. Produced a multitude of posters for school events.
- Crowdfunding for Akshaypatra foundation to give underprivileged kids mid-day meals(raised INR 23,100)