

UTKARSH KUMAR JHA

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SKILLS

- Python, Core Java (Spring Boot), C++, HTML, CSS, JavaScript, SQL, Git, React.js, Node.js, Jira, SDLC
- Operating Systems, Database Management System, Data Structures, Machine Learning, OOPs, Testing

WORK EXPERIENCE / INTERNSHIPS

Gadiel Technologies Pvt Ltd: *Data Engineer Trainee* 01/2025 – present

- Currently collaborating with The Wave Group to deliver and implement IBM Watson, working closely with the AI Engineer and team to ensure seamless integration and optimal performance of the product.
- Implementing data validation systems and maintain scalable SQL and NoSQL databases to ensure data accuracy, consistency, and performance.

Act21 Software Pvt Ltd: *Software Engineer Trainee* 09/2022 – 06/2023

- Created standalone as well as web applications like Actico Modeler for the delivery of process models for BFSI verticals (HDFC, Kotak, Bajaj), credit risk management, and business rule management by working on Java with Spring Boot and Actico products.
- Collaborated with other members of the engineering team to review code and suggest improvements.
- Developed code for software applications using Actico, SQL and Core Java programming languages.
- Assisted senior engineers in writing automated unit tests to ensure quality of the software product.

PROJECTS

[AI Bot For Flappy Bird Game](#)

Artificial Intelligence | Neural Networks | Genetic Algorithms | Machine Learning | Pygame | NumPy | Pandas

- Developed an AI bot for endless simulation of the game Flappy Bird using genetic algorithms & neural networks designed from scratch
- Designed a custom crossover technique between the parent birds to produce a better generation of birds.

[Realtime Whiteboard](#)

HTML | CSS | JavaScript | NodeJS | ExpressJS | Socket.io | Canvas API

- Developed a Whiteboard web application with supported functionality of various tools
 - Incorporated web sockets to reflect real time changes among multiple users
- Created Undo-Redo features for the board using Arrays as a stack by storing Positions, Colors and width of the Pen and Eraser.

EDUCATION

Guru Gobind Singh Indraprastha University | Delhi, IN September 2019 – August 2023

Bachelor of Technology- Computer Science Engineering

Relevant Coursework: Applied Mathematics-I, Applied Mathematics-II, Introduction to Programming, Foundation of Computer Science, Switching Theory and Logic Design, Computer Organisation Architecture, Theory of Computation, Database Management Systems, Data Structures

CERTIFICATIONS AND ACHIEVEMENTS

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| Data Science Professional Certificate, IBM | 2024 |
| Software Engineering Virtual Experience, JP Morgan Chase & Co | 2022 |
| Clustering using Python, Infosys | 2022 |
| 'A' grade in National Graphics Championship | 2021 |
| State Rank 567 at National Level Science Talent Search Examination | 2016 |