

Ajay Yadav

Computer Science Engineer

+91-8738809392

jw.ajay2803@gmail.com

LinkedIn

GitHub

Lucknow, Uttar Pradesh, India

Education

Babu Banarasi Das Institute Of Technology And Management

CGPA — 8.02

Bachelor of Engineering in Computer Science And Engineering (2019 - 2023)

Lucknow, UP

Modern Academy

Percentage — 83

Class XII – ICSE Board (2018)

Lucknow, UP

Immaculate Conception Convent School

Percentage — 84

Class X – ICSE Board (2016)

Lucknow, UP

Projects

Memory matching game |Code

- Created a memory based online game.
- Made a user interactive interface and efficient gaming site with the help of Html ,CSS and JavaScript.

Forum Website |Code

- Developed an online discussion platform using PHP, JavaScript, and Bootstrap.
- Spearheaded the development and integration of query posting feature, resulting in a 25% increase in user engagement and a 15% growth in daily active users.
- Utilized SQL database to store user details and manage discussions.

Bacteria Detection and Counting

- Led a team in developing a machine learning model for bacteria species detection using Python with 85% efficiency.
- Utilized Jupiter Notebook and scikit-learn to apply various algorithms to achieve 94% accuracy.
- Published a research paper on "Segmentation of Microscopy Images using Multi-Scale Retinex with Chromacity Preservation and Otsu Thresholding".

Technical Skills

Programming Languages: Python ,Java, PHP, JavaScript

Developer Tools: Git, VS Code, Eclipse, Sublime Text, Android Studio, Jupiter Notebook, PyCharm

Technologies/Frameworks: HTML, CSS , jQuery , Bootstrap

Databases: SQL, Firebases.

Achievements

- Solved over 250+ coding problems on **LeetCode**
- 3 Stars on **CodeChef** (Highest Rating of 1650)
- Achieved global rank of 592 in CodeChef August long challenge
- Played Cricket in College Team and won player of match 3 times.

Additional Information

Interests: Competitive Programming, Data Structures, App development, Web development, Machine Learning

Publication: Yadav, A., Singh, A., Singh, A., Yadav, A. & Singh, M. S. (2023). Segmentation of Microscopy images using Multi-Scale Retinex with Chromacity Preservation and Otsu Thresholding. Journal of Artificial Intelligence and Capsule Networks.

Relevant Courses: Data Structures, Algorithms, Software Engineering, Database Management

Certifications: Python Programming (Coursera), Data Structures and Algorithms (NPTEL – IIT MADRAS), Machine Learning (IIRS)

Hobbies: Reading, Playing Cricket and Football, Watching fiction and mystery movies

Languages: English, Hindi