

AARTI
Assistant Professor
Department of Information Technology
GGDSD COLLEGE Chandigarh
India -160030
aarti2@ggdsd.ac.in
aarti.uietcse@gmail.com
DOB: 3 June 1994



Educational Qualifications

Master of Engineering: Computer Science (With Honors)

University Institute of Engineering and Technology – PANJAB UNIVERSITY - Chandigarh, India (2020-2022).

M.E(CSE)Thesis: Master of Engineering: Computer Science written a research paper on” Skin Disease Classification by Optimize Feature Classification with Xgboost” using Machine Learning techniques.

Bachelor of Engineering: Computer Science Chandigarh University, India, Chandigarh, India (2015-2019)

Teaching/Research Experience

- 06 August 2024- till date
Assistant Professor in Department of Information Technology, GGDSD College Sector 32, Chandigarh.
Teaching IT Applications and operation research in family business management at post-graduate level.
Taught Web technology, database management system and fundamentals of information technology at Undergraduate level
- 23rd February 2023- 25 July 2023
Assistant Professor in Department of Bachelor of Engineering: Computer Science at Chandigarh University, Gharuan, Mohali Punjab. Taught Basic fundamentals of computers and Basic of Android, python language and C++ and MySQL at Undergraduate level to the students.
- Visions .net Dec 2019 - May 2020
Software Trainee Chandigarh, India
Immersed in coding and problem-solving throughout the 6-month experience.
 - Implemented HTML and CSS to develop a responsive website.
 - Engaged intensively in real projects, applying acquired skills in a practical setting.
 - Fine-tuned skills in responsive design, ensuring user-friendly digital experiences.
 - Collaborated seamlessly with the team to bring ideas to life.
 - Forged a solid foundation for a tech career during this dynamic journey.
 - Ignited a passion for crafting visually compelling and user-friendly digital experiences from conceptual ideas.

Areas of Interest

- Artificial intelligence (AI)
- Data Analysis: Exploratory Data Analysis (EDA), Regression Analysis, Time Series Analysis
- Data Visualization: Tableau, Power BI
- Statistical Analysis: Descriptive statistics, Inferential statistics

- Soft Skills: Analytical Thinking, Problem Solving, Communication.
- Languages: Python, Java
- Excel: Pivot tables, Formulas
- Libraries: NumPy, Pandas, Seaborn, Matplotlib
- Database Management: MySQL, RDBMS
- Machine Learning: Basic concepts, Scikit-learn
- Deep Learning: Basic concepts, Algorithm
- Developer Tools: Jupyter Notebooks

Publications (Journal/Book Chapters)

Journal Publications:

Aarti, Dr.Makhan Singh. Skin Disease Classification By Optimize Feature Classification with Xgboost. Computational Intelligence ID COIN-OA-11-22-6209, 2022.

Aarti, Dr.Makhan Singh. Skin Disease Classification with Xgboost. No-3422 Easy Chair, 2022.

Projects

- written a research paper on” Skin Disease Classification by Optimize Feature Classification with Xgboost” using Machine Learning techniques. (2022)

Skin diseases are among the most prevalent health concerns, stemming from various causes such as fungi, germs, and allergies. This research leverages machine learning to address diagnostic challenges by employing an efficient and cost-effective approach. Using CNNs for feature extraction and XGBoost for classification, our method achieves high accuracy (88.23%) and recall (89.44%), offering a simple yet impactful solution for early skin disease detection.(2022)

- HR Analytics Dashboard — In Power BI
Helped an organization improve employee performance and reduce attrition by creating an HR Analytics dashboard. (2023)

- Diwali Sales Analysis — By Using Python
Performed data cleaning and manipulation.
Conducted exploratory data analysis (EDA) using pandas, matplotlib, and seaborn libraries. (2023)

- Project Name: Hide text message.in the image(stenography)
Languages: Java
Database: SQL
Project Description: The purpose of this project is to Hide messages inside other harmless messages in a way that does not allow any enemy to even detect that there is a second secret message present. (2019)

- Project Name: Web Development
Languages: Python
Project Description: Web Development is a Web forum which is an online discussion site where people can hold conversations in the form of posted messages. (2019)