

EDUCATION

The University of Texas at Dallas <i>Master of Science, Computer Science</i>	Aug 2022 – May 2024
Gandhi Institute of Technology and Management <i>Bachelor of Technology, Computer Science and Engineering</i>	GPA: 3.75 / 4.0 Jun 2018 – Apr 2022 GPA: 9.14 / 10

TECHNICAL KNOWLEDGE

- **Programming Languages:** Java, C/C++, C#, Python, PHP, SQL, R, Hadoop, Spark, MATLAB,
- **Web Technologies:** RestAPI, JavaScript, Bootstrap, HTML5, CSS3
- **Databases:** MySQL, PostgreSQL, Oracle, MongoDB
- **Developer Tools:** Git, IntelliJ IDEA, Eclipse, VS Code, PyCharm, Figma, Maven, PowerBI, Tableau
- **Cloud/Platforms:** Linux, AWS
- **Productivity Tools:** Microsoft Excel, Word, PowerPoint

EXPERIENCE

The University of Texas at Dallas <i>Graduate Student Assistant - Computer Science Department</i>	Richardson, TX Aug 2023 – May 2024
• Mentored 150+ CS students in academic tasks, collaborating with professors, and improved performance by 15%.	
<i>CS Outreach Instructor</i>	Oct 2022 – Aug 2023
• Conducted 50+ tutoring sessions for students on Data Structures, Algorithms, and Java programming language.	
The Sparks Foundation	Singapore
<i>Machine Learning Intern Machine Learning, Pandas, NumPy, Scikit-learn, Matplotlib</i>	Jun 2021 – Jul 2021
• Increased prediction accuracy by 25% with student performance models based on academic efforts.	
• Enhanced recommendation relevance by 35% with a content-based recommender system .	
• Optimized algorithm selection by 20% with an A/B testing framework.	
TCR Innovations	Mumbai, India
<i>Data Science Intern Python, Pandas, NumPy, Scikit-learn, Flask</i>	Jun 2021 – Aug 2021
• Developed a predictive model to determine Ad click probability based on user features, achieving 96% accuracy.	
• Improved data processing efficiency by 35% with Logistic Regression, Naive Bayes, and Decision Tree models.	
• Conducted thorough EDA to understand user demographics and improved targeting accuracy by 40%.	
Springfest, IIT Kharagpur by Ethical Edufabrica Pvt.Ltd.	New Delhi, India
<i>Data Science Intern Python, Pandas, NumPy, Scikit-learn, Matplotlib</i>	Oct 2020
• Designed a project on “Iris Species Detection,” achieving an accuracy of 97% using a Linear Regression model.	

CERTIFICATIONS

- Software Development Processes and Methodologies [[Link](#)]
 - Machine Learning for All [[Link](#)]
 - Six Sigma Principles [[Link](#)]
- Cloud Computing Applications [[Link](#)]
Database Management Essentials [[Link](#)]
Cluster Analysis in Data Mining [[Link](#)].

PUBLICATIONS

1. Dynamic Multi-Keyword Search for Secure Data Storage in the Cloud using Cuckoo Filter [[Link](#)]

Published Journal: Journal of Cardiovascular Disease Research Jul 2021
Short Description:

- Designed a new protocol to enhance secure data search over encrypted cloud data.
- Utilized the Cuckoo filter and **MD5 algorithm** to store sensitive documents on a dishonest cloud server securely.

2. Detection of Smart Grid Attacks Using Machine Learning Techniques [[Link](#)]

Published Journal: Journal of Engineering Sciences Apr 2022
Short Description:

- Researched using Perceptron, SVM, and KNN to classify smart grid data as attacked or secure.
- Achieved **96.2% accuracy** with KNN in predicting malicious activity, enhancing smart grid security.

AWARDS AND ACHIEVEMENTS

- Ranked top 10 in the IEEE Software Testing Contest, demonstrating proficiency in software testing and problem-solving.
- Awarded 5 merit-based scholarships from GITAM University for academic excellence.
- Recognized with an appreciation certificate and the Outstanding Project Award at TCR Innovations for leading a project.