

PRANITHA BOJJA

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EDUCATION

The University of Texas at Dallas

Master of Science, Computer Science

Aug 2022 – May 2024

GPA: 3.75 / 4.0

Gandhi Institute of Technology and Management

Bachelor of Technology, Computer Science and Engineering

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

Richardson, TX

Graduate Student Assistant - Computer Science Department

Aug 2023 – May 2024

- Mentored 150+ CS students in academic tasks, collaborating with professors, and improved performance by 15%.
CS Outreach Instructor Oct 2022 – Aug 2023
- Conducted 50+ tutoring sessions for students on Data Structures, Algorithms, and Java programming language.

The Sparks Foundation

Singapore

Machine Learning Intern | Machine Learning, Pandas, NumPy, Scikit-learn, Matplotlib

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

Data Science Intern | Python, Pandas, NumPy, Scikit-learn, Flask

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

Data Science Intern | Python, Pandas, NumPy, Scikit-learn, Matplotlib

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.