**Beestu Madhuri**

**Contact No:** +91 8688459556| **Email Id:** [bmadhuri158@gmail.com](mailto:bmadhuri158@gmail.com)

**LinkedIn:** [www.linkedin.com/in/madhuri-beestu](http://www.linkedin.com/in/madhuri-beestu) GitHub: <https://github.com/madhuri-beestu>

**PROFILE SUMMARY:**

Motivated and detail-oriented MCA graduate with strong knowledge of Java, Spring Boot, and frontend technologies (HTML, CSS, JavaScript, React). Skilled in developing responsive, user-friendly web applications and designing efficient back-end systems with MySQL and MongoDB. Completed academic projects in secure and privacy-preserving machine learning, demonstrating problem-solving and research abilities. Quick learner with a passion for full-stack development, teamwork, and continuous improvement, seeking an opportunity to contribute technical skills and grow as a software developer.

**TECHNlCAL SKILLS:**

* **Frontend Technologies :** HTML, CSS, JavaScript
* **Backend Technologies :** Java
* **Libraries & Frameworks** : React JS,Bootstrap
* **Developer Tools :** VsCode, GitHub
* **Productivity Tool :** Microsoft Word, Microsoft Excel, Microsoft PowerPoint

**EDUCATION:**

Sai Tirumala  NVR Engineering College                                                                       CGPA - 8.0/10

**Master of  Computer Applications(MCA)**                                                           2023 - 2025

**INERNSHIP:**

**Cybersecurity    - Internship (03/2023-06/2023)**

* Completed a three-month internship that focused on fundamental cybersecurity practices and tools.
* Administered daily security of company databases and performed other duties as assigned by internship manager
* Developed a company-wide security awareness training program that increased staff’s security compliance by 50%.

**PROJECTS :**

**Privacy preserving and Secure Machine Learning**

* **Tools & Technologies:** Python, TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Plotly, Anaconda, Jupyter Notebook
* Designed and implemented privacy-preserving machine learning models to safeguard sensitive user data.
* Applied **Homomorphic Encryption** to enable computations directly on encrypted data.
* Integrated **Differential Privacy** techniques by adding controlled noise while maintaining model utility.
* Leveraged **Federated Learning** to train models across decentralized datasets without centralizing raw data.
* Incorporated **Secure Multi-Party Computation (SMPC)** protocols for collaborative model training.
* Conducted performance evaluation showing **>95% accuracy** even under privacy-preserving constraints.
* Built visualization dashboards using **Matplotlib, Seaborn, and Plotly** for analysis and results interpretation.
* Ensured compliance with **GDPR and CCPA standards** by embedding privacy-first methodologies in ML workflows.

**CERTIFICATIONS:**

Communication, Facilitation and Soft skills (CFSS) – IECE

       Cybersecurity Internship – Lyfaux

**SOFT SKILLS:**

* Communication
* Problem-Solving
* Critical Thinking
* Time Management