

Vaishnavi Pujala

Atlanta, GA, 30324 | +1 (470)-815-4898 | pujalavaishnavi@gmail.com | [LinkedIn](#) | [Github](#)

EDUCATION

Georgia State University – College of Arts and Sciences, Atlanta

Aug 2024– May 2026

Masters in Computer Science(CGPA: 3.32/4.0)

G. Narayanamma Institute of Technology and Science, Hyderabad, India

Aug 2020- June 2024

Bachelor of Technology (CGPA: 8.43/10)

TECHNICAL SKILLS

Programming	C, C++, Python(Pandas, NumPy, Seaborn), Java, JavaScript, HTML, CSS, Dart, SQL
Web & Mobile Development	React.js, Flutter
Data Visualization	Power BI, Tableau
Data Science	Machine Learning, Deep Learning, Computer Vision
Framework and Tools	Jupyter Notebook, Microsoft Word, Microsoft PowerPoint, Excel, Linux, Hadoop, NoSQL, Pig
Interpersonal Skills	Communication skills, Presentation skills, Analytical skills, Critical thinking skills, Problem Solving Skills

WORK EXPERIENCE

Georgia State University

Aug 2024 – Present

Graduate Teaching Assistant

- Collaborated with professors to design, deliver, and improve course material for undergraduate computer science courses, ensuring a clear and effective learning experience.
- Provided one-on-one and group tutoring sessions to support students in mastering complex programming concepts and coursework.
- Evaluated and graded assignments, projects, and exams, offering detailed feedback to foster student improvement and understanding.
- Acted as a primary point of contact for students seeking academic assistance, contributing to their success and improving course retention rates.

RESEARCH PUBLICATIONS

ICDSMLA([View](#))

December 2023

- Published a research paper titled *"An Effective Prediction of Heart Diseases Using Machine Learning Techniques"* in the proceedings of the 5th International Conference on Data Science, Machine Learning, and Applications (ICDSMLA 2023), Volume 2, December 15-16, 2023.

ACADEMIC PROJECTS

Hospital Management System

- Developed a comprehensive Hospital Management System using PHP and MySQL to streamline administrative processes such as patient registration, appointment scheduling, and medical record management. The system featured secure role-based access control to ensure data privacy, and optimized database queries that reduced response time by 20%, enhancing overall performance. Integrated real-time notifications and automated reminders, improving patient adherence to appointments by 15%.

An effective prediction of heart diseases using Machine Learning Techniques

- Developed a heart disease prediction system using machine learning algorithms such as Random Forest, Naive Bayes, and Logistic Regression, achieving 91% accuracy in diagnostic support. Utilized data visualization libraries including Plotly, Seaborn, and Matplotlib to create bar charts, donut graphs, and scatter plots, effectively visualizing key attributes and patterns for enhanced insights and decision-making.

An Approach to detect copy move forgery using Deep Learning Techniques

- Designed and implemented a deep learning-based approach to detect copy-move forgery, leveraging CNN and VGGNet-16 architecture to achieve 90% accuracy. Built the backend in Jupyter Notebook for model training and designed an intuitive frontend using HTML and CSS. Seamlessly integrated the frontend with the backend using Flask, creating a full-stack solution that enhances image authentication and digital forensic analysis.

HACKATHON & EVENTS

- Participated in 24-hour Hackathon on "Applied Data Science with IBM Cloud" – **SMART BRIDGE**
- Participated in CSI Student Chapter Event - **TECHNOLIX**

ACHIEVEMENTS

- Completed "Introduction to Java" (90%) – **Coding Ninjas**
- Completed "Data Structures in Java" (90%) – **Coding Ninjas**
- Completed "Front End Development (HTML)" – **Great Learning**
- Completed "Front End Development (CSS)" – **Great Learning**
- Completed "Python Essentials 1 and 2" – **CISCO**
- Completed "Java" course – **Epam**
- Research Presentation on "An effective prediction of heart diseases using Machine Learning Techniques"- **Springer**
- Research Presentation on "An Approach to detect copy move forgery using Deep Learning Techniques"- **Springer**