

Bindu Priya Velaga

• Tampa, FL, 33613 • 571-640-0366 • bindupriyavelaga@usf.edu • [linkedin.com/in/bindu-priya-velaga](https://www.linkedin.com/in/bindu-priya-velaga)

EDUCATION

University of South Florida – Tampa, FL
Masters in computer science and engineering

Aug 2023 – Present

- **CGPA:** 3.44/4.00

Vellore Institute of Technology – Amaravathi, AP, India
Bachelor of Technology in Computer Science and Engineering

Jun 2019 – Jul 2023

- **CGPA:** 8.48/10.0
- **Relevant Completed Coursework:** Data Structures, Object Oriented Programming, Algorithms, Database Management Systems, Artificial Intelligence.

TECHNICAL SKILLS

- **Programming Languages & Databases** : Python, JavaScript, HTML, CSS
- **Technologies** : MERN Stack (MongoDB, Express.js, React.js, Node.js), PostgreSQL
- **Tools** : Postman, Git
- **Frameworks** : React, Node.js, Express

PROJECTS

- **Actyv Discover product** – *Technologies: MERN Stack, PostgreSQL*

Developed a dynamic enquiry form using the MERN stack and PostgreSQL, improving user experience and system reliability by 20%. Responsibilities included designing and integrating APIs, collaborating with cross-functional teams, and optimizing data management processes.

- **Bank Management System** – *Technologies: Python, HTML, CSS*

Led a team to develop a comprehensive banking app for account management, transaction tracking, and customer service. Achieved a 25% increase in user satisfaction through improved functionality and user interface design.

- **Safe Car Parking System** - *Technologies: Arduino/Raspberry Pi, Ultrasonic Sensors, Infrared Sensors, Python, C++, Flask.*

Designed an innovative sensor-based parking system to enhance safety and efficiency, reducing parking time by 30%.

- **Stock Price Prediction Using RNN** - *Technologies: Python, TensorFlow/Keras, Jupyter Notebook*

Developed a deep learning model using Recurrent Neural Networks to predict stock prices with 90% accuracy.

WORK EXPERIENCE

❖ **Actyv.ai** – *Software Development Intern*

Jan 2023 – Jul 2023

- **Developed** an enquiry form for the Actyv Discover Product using the MERN stack and PostgreSQL, enhancing user experience and system reliability by 20%.
- **Designed and integrated** APIs, collaborating with cross-functional teams to ensure seamless communication between system components.
- **Enhanced code quality** through detailed code reviews and provided actionable feedback, resulting in a 15% reduction in bugs.

CERTIFICATIONS

- Data Analysis Using Python - IBM
- Fundamentals of Data Analytics - NASSCOM
- J.P. Morgan - Software Engineering Job Simulation - Forage