

NIKHIL MAMILLA

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EDUCATION

- BV Raju Institute of Technology Narsapur**
 - Bachelor of Technology - Computer Science and Engineering; GPA: 8.93*
 - Courses: Full-stack web development, GenAI, Data Structures, Artificial Intelligence, Machine Learning*
- Telangana, India
August 2023 - July 2027

SKILLS SUMMARY

Languages	C, Python, C++ (Basics), JavaScript, SQL, Java (Basics)
Frameworks	ReactJS, Scikit, NLTK, SpaCy, Flask, NodeJS (Basics)
Web Development	HTML, CSS
Tools	Heroku, Docker, GIT, MySQL
Soft Skills	Leadership, Problem Solving, Writing, Public Speaking, Time Management

EXPERIENCE

- Pantech Solutions**
 - Student Intern*
 - Software Development:** Contributed to the development of web applications, enhancing user experience and functionality.
 - Database Management:** Assisted in managing and optimizing database queries for improved performance.
 - Collaboration and Teamwork:** Worked closely with cross-functional teams to gather requirements and deliver effective solutions.
- Remote
August 2024 - October 2024

PROJECTS

- Login Sort:** Developed a user authentication system that allows users to sign up and log in, followed by a sorting page to sort elements using various algorithms. Tech: HTML, CSS, JavaScript.
- Responsive Calculator:** Created a fully responsive calculator web application featuring both light and dark themes, seamless keyboard input, and a sleek modern design. Tech: HTML, CSS, JavaScript.
- Crop price prediction:** Implemented machine learning algorithms, including logistic regression, SVC, and decision trees, to predict the crop price with improved accuracy. Tech: Python, scikit-learn
- Heart Failure Prediction:** Implemented machine learning algorithms, including logistic regression, Decision trees and SVC, to predict heart failure with improved accuracy. Tech: Python, scikit-learn.
- AI Virtual Assistant:** Developed a conversational AI assistant capable of responding to user queries with accurate information and helpful results in real-time. Tech: Python, Natural Language Processing, HTML, CSS, Javascript.
- Rock Paper Scissors Game:** Built a fun and interactive Rock Paper Scissors game using HTML, CSS, and JavaScript, allowing users to play against the computer. Tech: HTML, CSS, JavaScript.

EVENTS AND HACKATHONS

- TechSurge'24 Yukti Hackathon:** Led Team LogicLegends in developing an innovative online appointment scheduling solution, aimed at simplifying the booking process for users. Our project focused on enhancing user experience through a user-friendly interface, enabling small and mid-scale enterprises to manage appointments efficiently. Conducted by Coding Brigade at BVRIT.
- Nextin Tech Event:** As a TeamLead of Team Delta, I proudly contributed to our project, "AI-Powered Student Profile Analyzer for University Admissions," which secured 2nd prize (Runners-up). This intelligent tool leverages AI and machine learning to predict students' chances of admission based on their academic scores, involving rigorous data analysis, model training, and the development of an intuitive user interface. Our project simplifies complex predictions, helping students make informed decisions about their educational paths. The event was powered by GradRight Inc. and held at BVRIT.
- Megathon 2024:** Participated in Hyderabad's largest 24-hour hackathon at IIIT Hyderabad, tackling the critical issue of mental health prediction. Our team developed a comprehensive NLP-based solution that automatically extracts, classifies, and analyzes mental health concerns from user input. The solution consisted of five key components: polarity detection, keyword extraction (NER), concern classification, intensity scoring, and timeline-based sentiment shift analysis, providing valuable insights into mental health trends and user experiences.

CERTIFICATIONS AND ACHIEVEMENTS

- Promethean Project Expo - BVRIT Narsapur, January 2024 *Certificate*
- Artificial Intelligence - Elewayte, January 2024 *Certificate*
- TechSurge'24 Yukti Hackathon - BVRIT Narsapur, May 2024 *Certificate*
- The Joy of Computing Using Python - NPTEL, May 2024 *Certificate*
- Database Programming with SQL - Oracle Academy, October 2024 *Certificate*
- TechA Web Development Using HTML and CSS - Infosys Springboard, October 2024 *Certificate*
- Second Runner's Up at NextinTech event - GradRight, October 2024 *Certificate*