Sreshta Reddy Narayana Reddy

: (812) 890-1187 | : sresnara@iu.edu | : Sreshta Reddy | : Sreshta Reddy | : Sreshta Reddy | Cary, NC

Education

Indiana University Bloomington Aug 2022 – Present
Masters in Computer Science — CGPA: 3.82 *Bloomington, IN*
Coursework: Applied Algorithms, Computer Network, Database Design, Data Mining, Software Engineering, Applied Machine Learning, Engineering Cloud Computing, Security for Network System, Intro to Spark

Bangalore Institute of Technology Aug 2017 – Aug 2021
Bachelor of Technology in Computer Science — CGPA: 3.65 *Bengaluru, India*
Coursework: Python, Database Management System, OOPS, Data Structures and Algorithms, Big Data, Machine Learning

Skill Set

Object-Oriented Design: Java, Python
Other Programming Languages: C, JavaScript, SQL, Unix
Front End Technologies : Bootstrap, React JS, Angular, HTML, CSS
Frameworks/ Libraries: Apache Cordova, Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow, Keras, Spring Boot, Spring Data JPA, SOAP/REST API, Spark
Cloud Technologies: Amazon Web Services, Spring Cloud, Google Cloud Platform
Database Management: MySQL, Oracle DB, Oracle PL/SQL
Tools: Microsoft Office, Postman, Kafka

Experience

Graduate Teaching Assistant Jan 2024 - Present
Luddy School of Informatics, Indiana University *Bloomington, Indiana*
- Provided tailored support to 100+ software engineering students, boosting course performance by 20% through one-on-one sessions and group reviews.
- Led 2 teams as a client, implementing agile methods to enhance project efficiency by 15% and ensuring high-quality software project completion.

Associate Consultant Aug 2021 - Jul 2022
Oracle Financial Services Software *Bengaluru, India*
- Implemented a ReactJS-based data-driven UI project, surpassing client specs and increase in user satisfaction, along with a 10% rise in engagement metrics.
- Crafted robust applications with SQL DB and REST/SOAP services, bolstering performance by 20%.
- Identified and rectified system discrepancies, amplifying reliability by 30% and curtailing downtimes.

Web Developer Intern Feb 2021 - Apr 2021
Hermitcrabs *Bengaluru, India*
- Drove the development of a company website on HubSpot CMS, increasing organic traffic by 25% and user retention by 20%.
- Led data-driven web improvements, enhancing site speed and digital brand representation.
- Collaborated with teams on inbound marketing strategies, optimizing lead generation and maintaining content for 98% issue resolution and 10% site responsiveness.

Software Developer Intern Jan 2020 - Feb 2020
Campus Build Technologies Pvt Ltd *Bengaluru, India*
- Employed Java-based OOP and advanced AI techniques to enhance software development efficiency by 20%.
- Resolved software complexities, resulting in a 15% improvement in project completion rates.

Notable Projects

Health Calculator (CPMA Application)
- Engineered a cross-platform mobile application using the Apache Cordova framework to ensure compatibility across diverse OS environments.
- Developed functionalities for BMI, heart rate, ideal weight, and water intake calculations using HTML, CSS, and JavaScript, providing users with essential health metrics.

Booking Management System for Movies, WatchaFlick using MERN
- Partnered with a team to design an online ticketing platform. Deployed on EC2 with Twilio, reducing booking time by 30%.
- Leveraged skills in React JS, including hooks and other core concepts, to deliver intuitive dashboards, landing pages, and seamless login/register functionalities. Enhanced platform scalability and security, achieving a 25% boost in user registrations and positive feedback on the user-friendly interface.

Alumini Database System using Xampp Server
- Streamlined and implemented an alumni interface for a college, enhancing data retrieval efficiency by 30% and streamlining access to critical data, including contact details and post-graduation choices.
- Mastered a tech stack comprising SQL, HTML, CSS, and MySQL on a Xampp Server, ensuring seamless backend and frontend integration, leading to a 25% improvement in user experience and data accuracy.

Desktop Application to convert Live facial expression to Emoji using Deep Learning
- Restructured a sophisticated application using Python, TensorFlow, and OpenCV, achieving 90% accuracy in mapping live facial expressions to emojis.
- Mastered Keras and OpenCV within a Tkinter-based GUI, achieving a 15% increase in real-time processing speed.