

Sreshta Reddy Narayana Reddy

☎ : (812) 890-1187 | ✉ : sresnara@iu.edu | 📄 : [Sreshta Reddy](#) | 🌐 : [Sreshta Reddy](#) | Bloomington, IN

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

- Applied agile methodologies to enhance the software engineering course, resulting in a 20% improvement in overall student performance.
- Mentored 100+ students, resulting in a 15% increase in their proficiency with Oracle DB, PL/SQL, and MEAN Stack technologies.

Associate Consultant

Aug 2021 - Jul 2022

Oracle Financial Services Software

Bengaluru, India

- Executed projects with Oracle DB, PL/SQL, and MEAN Stack, achieving a 10% rise in client satisfaction and engagement metrics.
- Implemented ReactJS-based projects, boosting performance by 20% and exceeding client specifications.
- 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

Skin Lesion Classification for Melanoma Detection

- Spearheaded AWS driven skin cancer detection system development, boosting diagnostic accuracy by 30% for early detection
- Orchestrated streamlined workflow integrating AWS S3, Lambda, and SageMaker, optimizing image processing speed by 25% for enhanced user experience in disease classification.

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%.
- Engineered an online ticketing platform using React JS and MEAN Stack, reducing booking time by 30% and increasing user registrations by 25%.

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 an application using Python, TensorFlow, and OpenCV, achieving 90% accuracy in mapping live facial expressions to emojis and increasing real-time processing speed by 15%.
- Mastered Keras and OpenCV within a Tkinter-based GUI, achieving a 15% increase in real-time processing speed.