

# Sreshta Reddy Narayana Reddy

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## EDUCATION

### Indiana University Bloomington, USA

Aug 2022 – May 2024

*Masters in Computer Science*

CGPA: 3.84/4.00

Coursework: Applied Algorithms, Data Mining, Software Engineering, Cloud Computing, Security for Network System, Intro to Spark, Usable AI

### Bangalore Institute of Technology, India

Aug 2017 – Aug 2021

*Bachelor of Technology in Computer Science*

CGPA: 3.65/4.00

Coursework: Python, Database Management System, OOPS, Data Structures and Algorithms, Big Data, Machine Learning

## PROFESSIONAL EXPERIENCE

### Graduate Teaching Assistant

Jan 2024 – May 2024

*Luddy School of Informatics, Indiana University*

*Bloomington, Indiana*

- Guided **2** teams as a client, employing agile methodologies to boost project efficiency by 15%, ensuring high-quality software delivery; additionally, instructed an object-oriented Software Methods Course, focusing on **Java, Javascript, Spring Boot, and Design Patterns**.
- Guided Led cross-functional teams in building robust full stack web applications using Agile SDLC, Microservices architecture, and Docker, ensuring scalable deployments on Azure/AWS and boosting project delivery speed by 45%.
- Directed the creation of cutting-edge web applications by integrating ReactJS and Node.js, reducing page load times by 40% and improving user engagement by 25% through seamless frontend and backend synchronization.

### Associate Consultant

Aug 2021 – Aug 2022

*Oracle Financial Services Software*

*Bengaluru, India*

- Led the enhancement of State Street Client's **UI** using **reactjs**, surpassing specifications and elevating user engagement by 10%; employed **Docker** for application containerization, boosting deployment speed and reliability.
- Developed robust applications using **SQL DB** and **REST API** services, enhancing performance by 20%, and architected an advanced customer service platform with **Java** and **SpringBoot**, ensuring robustness, scalability, and seamless integration.
- Collaborated with cross-functional teams to refine, debug, and maintain existing software applications, ensuring optimal performance and reliability.

### Web Developer Intern

Jan 2021 – Jun 2021

*Hermitcrabs*

*Bengaluru, India*

- Drove the development of a company website on **HubSpot CMS**, increasing organic traffic by 25% and user retention by 20%.
- Transformed big data technologies to optimize data processing and analysis, enhancing system efficiency & performance.
- Collaborated with teams on inbound marketing strategies, optimizing lead generation, solving problems and maintaining content for 98% issue resolution and 10% site responsiveness along with continuous improvement.

### Software Developer Intern

Jan 2020 – Apr 2020

*Campus Build Technologies Pvt Ltd*

*Bengaluru, India*

- Boosted software development efficiency by 20% through Java-based OOP principles and advanced AI techniques; achieved comprehensive test coverage with unit and integration tests, elevating project completion rates by 15%.
- Enhanced project completion rates and efficiency by 15% through streamlining software processes, automating deployment tasks with **Unix** shell scripting, and implementing Junit for **CI/CD** to ensure continuous integration.

## NOTABLE PROJECTS

### Skin Lesion Classification for Melanoma Detection

- Harnessed **AWS** and **ML** to detect melanoma from skin lesions with 90% accuracy, architecting and refining a **CNN** model for dermoscopic image classification.
- Deployed RESTful APIs to optimize **AWS deployment** for healthcare professional accessibility by implementing data pipelines to ingest, clean, transform, and process datasets, leveraging big data technologies like **Hadoop** and **AWS services**.

### Booking Management System for Movies, WatchaFlick using MERN

- Designed a comprehensive movie booking system using the **MERN** stack, formulated an efficient MongoDB schema boosting data retrieval speeds by 20%, and managed **EC2** deployment with Twilio API integration, enhancing user engagement by 25%.

### Alumni Database System using Xampp Server

- Engineered an alumni database using MySQL and PHP, developed an intuitive front-end with HTML, CSS, and JavaScript, and optimized queries, reducing response times by 30% and enhancing user satisfaction.

### Desktop Application to convert Live facial expression to Emoji using Deep Learning

- Developed a real-time facial expression recognition app using **Python, OpenCV, TensorFlow**, and **Keras**, achieving 85% accuracy and enhancing emotion recognition by 15%, with seamless user interface integration for accurate emoji conversions.

## SKILLS

**Programming Languages:** Java, Python, JavaScript, SQL

**Front End Technologies:** React JS, HTML, CSS, Angular JS

**Frameworks/Libraries:** TensorFlow, Scikit-learn, Spring Boot, REST API, Apache

**Cloud Technologies:** Amazon Web Services (AWS), Google Cloud Platform (GCP)

**Database Management:** MySQL, Oracle DB

**Tools:** Git, Docker, Postman, Jira