

# MADHURAJ KUNTA

+1 (934) 451-9608 ♦ [madhurajkunta0208@gmail.com](mailto:madhurajkunta0208@gmail.com) ♦ [LinkedIn](#) ♦ [Portfolio](#) ♦ [Github](#)

## EDUCATION

### Stony Brook University

Master of Science, Computer Science, **CGPA: 3.89/4.0**

**Coursework:** Computer Vision, Algorithms, Theory of Databases, Natural Language Processing.

Aug 2023 – Present

Stony Brook, NY

### Vasavi College of Engineering

Bachelor of Engineering, Computer Science, **CGPA: 9.04/10**

**Coursework:** Data Structures, OOPS, Database Management System, Operating Systems(Linux/Unix), Network Security, Image Processing, Machine Learning, Artificial Intelligence, Distributed Systems.

Aug 2018 – Jun 2022

Hyderabad, India

## WORK EXPERIENCE

### NCR Corporation

Software Engineer I

Jul 2022 – Jul 2023

Hyderabad, India

- Developed an application(Kiosk) that helps cinema theatre operations by enabling efficient scheduling of performances across multiple auditoriums, resulting in a **40%** increase in customer satisfaction ratings.
- Collaborated with the team to introduce new features, streamlining food and beverage purchases and reducing the checkout process by **25%**. Additionally, optimized application performance by independently identifying and **resolving bottlenecks**, seamlessly **integrating UI** in the front end, and **developing APIs** for the back end to improve overall efficiency.
- Successfully eliminated the **cloud gateway** dependency by establishing direct connections between UI and server using **REST API** protocols. This optimization initiative enhanced system reliability and reduced latency by **20%**.
- Full Stack Skills: **React.js, C++, C#(.NET), MS SQL.**

### NCR Corporation

Software Engineer Intern

Jan 2022 – Jun 2022

Hyderabad, India

- Received a comprehensive 1-month training program encompassing **C#, React.js, Github, and Agile Foundations**, followed by an online course focused on designing scalable and secure code for web development.
- Created **SOAP** and **RESTful APIs** to improve data exchange between applications, enhancing overall system performance.
- Enhanced efficiency of cash reports generation by **35%** through optimization of **MS SQL queries and XML data processing**.
- Full Stack Skills: **React.js, C++, C#(.NET), MS SQL, XML.**

## PROJECTS

### TEDS-A Data Analysis and Processing | Hadoop, Apache Spark, Java, Python

- Implemented **Hadoop and Spark** programs to analyze and process the Treatment Episode Data Set (TEDS-A) over **20 years** of admission data, utilizing **MapReduce and Spark frameworks** to extract insights on substance use disorder treatment admissions, demonstrating proficiency in big data processing and analysis techniques.

### Your Guide | React.js, Material UI, Postman, Node.js

- Constructed a robust web application empowering users to effortlessly apply for job opportunities, actively participate in competitive contests, and knowledge enhancement through a vast library of **500** e-books and **1000** tutorials.

### Fantasy League | HTML, CSS, JavaScript, PHP, MySQL

- Designed a web application that delivers **100%** efficient real-time cricket updates, player statistics, team rankings, and tutorials, ensuring fast and reliable data retrieval from Rapid cricket API.

### Speed Detection using ML | Python, Numpy, OpenCV, Matplotlib, Jupyter notebook

- Successfully implemented a **Machine learning** model that detected and quantified the speed of moving objects with an accuracy rate of **87.33%**, leading to improved object tracking capabilities in real-time applications.

## TECHNICAL SKILLS

Languages	C, C++, C#, Java, Python, HTML&CSS, JavaScript, SQL, NoSQL, XML, PostgreSQL.
Web Dev & DB	Bootstrap, PHP, React.js, Node.js, Angular, Typescript, MySQL, MS SQL, Hadoop, Spark.
Tools	Git, GitHub, Jira, Jenkins, CI/CD, MS Office, Visual Studio, Vs Code, AWS.
Python Modules	NumPy, Pandas, Scikit, OpenCV, Matplotlib, PyTorch, Tensorflow, LLM, Flask.

## AWARDS & HONOURS

- NCR **best employee award** for the fourth quarter of 2022.
- Achieved the **1st** position in the college hackathon for **Your Guide** project.

## CERTIFICATIONS

- Programming in C++, NPTEL.
- Design and Analysis of Algorithms, NPTEL.