

# CHARUHAS REDDY BALAM

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**Blog** | **Linkedin** | **Portfolio** | **GitHub** | **LeetCode**

## EDUCATION

### Shiv Nadar University

Computer Science Engineering Bachelor of Technology

CGPA: 8.65/10.0

Greater Noida, Uttar Pradesh

August 2020 - May 2024

### Jaspal Kaur Public School

Degree in Higher Secondary School

Percentage: 96.5%%

New Delhi, India

March 2019 - March 2020

## EXPERIENCE

### RCTS LAB IIIT-Hyderabad | Developer Intern

Hyderabad, Telangana | May 2023 - July 2023

- Worked on System for Effective Learning and School Complex Administration (SELSCA) at the Raj Reddy Center for Technology and Society Lab, IIIT-Hyderabad under Dr. Arjun Rajasekar.
- Spearheaded the design and implementation of the frontend syllabus component, seamlessly connecting it to the backend through well-defined API endpoints, resulting in a 30% reduction in data retrieval time.
- Seamlessly integrated the Mini Variant Drawer, from Material UI contributing to a cohesive and visually appealing user interface design.

## SKILLS

Programming Languages: C, C++, Java, JavaScript, Python

Libraries/Frameworks: React, NodeJS

Tools / Platforms: Git, GitHub, VsCode

Databases: MySQL, MongoDB

## PROJECTS / OPEN-SOURCE

### MovieMemo | [Link](#)

HTML, CSS, JavaScript, Firebase

- Developed a web application using vanilla JavaScript, HTML, and CSS to create a personalized movie watchlist.
- Utilized Firebase as the database backend to store and manage movie data securely which reduced the latency by 10 ms.
- Designed a convenient functionality for effortless removal of movies from the watchlist upon completion.

### PlotForge | [Link](#)

HTML, CSS, JavaScript

- Developed PlotForge, a web application that generates plots and AI-generated images for the user input.
- Integrated OpenAI's advanced Language and Image generation models
- Designed an intuitive and user-friendly interface, allowing users to effortlessly input their concept and receive instant plot suggestions and images, by optimizing the prompt

### Campus Recruitment System | [Link](#)

Java

- Created a platform that intelligently matches job opportunities from an extensive database with individual users, based on their shared skill sets.
- Applied Object-Oriented Programming (OOP) Principles in Java and Leveraged JavaSwing GUI Framework

### ChromaShift | [Link](#)

HTML, CSS, JavaScript

- Developed a UI for hex input and shade control via a range bar and Ensured real-time hex output.
- Introduced a toggle for darkening/lightening color choices.

## HONORS & AWARDS

Won the first prize in MLH HighSchool hacks, Best Beginner Hack

Selected as a Mentee in the Microsoft Engage Internship Program, 202