

PARAS JOSHI

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Education

Graphic Era Hill University

October 2021 — June 2025

Bachelor of Technology in Computer Science and Engineering | CGPA — 7.86

Technical Skills

Programming Languages: C++, Python, JavaScript, CSharp (C#), Java
Frameworks and Libraries: .NET, OpenCV, Tailwind, PHP, Node.js, React.js
Developer Tools and Platforms: Git, Linux, MySQL, MongoDB, Postman, Visual Studio
Other IT Constructs: Operating Systems, DBMS, Object Oriented Programming, Data Structures

Experience

Osmosys Software Solutions — Product: OQSHA

January 2026 – Present

Associate Software Engineer - Backend Developer

Hyderabad, Telangana

- Built and maintained **REST APIs** for a **live B2B safety product**, improving response time on key APIs from **~1300 ms to 40 ms** by optimizing backend logic and **database queries**.
- Worked on **database design and migrations** for core modules of the application, including moving data from **legacy systems** and optimizing complex **SQL queries** to improve performance by **30%**.
- Developed backend features such as **CRUD services** and **notification pipelines (NSQ)**, and handled **production deployments** with **zero data loss**.
- Fixed **production API bugs**, wrote feature documentation, reviewed code, and **shipped backend changes** used by real customers on the product.
- **Tech Stack:** C#, .NET, SQL, NSQ, REST APIs

Osmosys Software Solutions

January 2025 — July 2025

Associate Software Engineer Intern

Hyderabad, Telangana

- Developed and deployed **RESTful APIs** using **CSharp (DotNet)** to enable efficient data access and robust **CRUD operations** across relational databases.
- Developed responsive front-end interfaces for the Omnifood project, implemented code splitting to reduce initial page load time by **40%**.
- Performed manual testing on the **Osmosys - OQSHA** product, identifying and reporting multiple bugs to improve product quality.

WeCode Club

September 2023 — August 2024

Managing Director

Graphic Era Hill University

- Led educational initiatives and provided mentorship and learning experience in **Data Structures** and **Website Development**, mentored a cohort of over **500 students**.
- Led tech workshops and seminars on **Blockchain, Machine Learning**, achieving a 25% increase in user engagement through implementing modern web technologies such as **React, Node.js, and MongoDB**.

Projects

Handwritten Digit Recognizer | *GitHub*

January 2024 — March 2024

- Built a digit recognition model with **Keras/TensorFlow** and trained it on the **MNIST dataset**, achieving approximately **98%** accuracy on this dataset.
- Preprocessed MNIST images by normalizing pixel values, reshaping inputs, and reducing image processing time by 40%.
- Used **OpenCV** to convert **28x28 pixel real-world images** into **greyscale**, ensuring compatibility with MNIST-trained data and improving accuracy of inputs.
- **Tech Stack:** Python, Keras, CNN, OpenCV

Automated Number Plate Recognition | *GitHub*

April 2023 — May 2023

- Developed a license plate detector using **OpenCV** and **Easy OCR** to extract text from vehicle license plate.
- Implemented a **notification system** using **Twilio API** to send instant alerts to vehicle owners.
- Built an **interface** with **Tkinter** to display vehicle details, including area-based lookup for generating E-Challans.
- **Tech Stack:** Python, OpenCV, Tkinter, EasyOCR

Achievements

- **Secured 2nd place** in Tech Wizard 2.0, an intercollege coding competition, outperforming 4,500+ competitors.
- **Secured 3rd position** in IdeathonX Hackathon, led team **Immortals** for the number plate recognition project.
- **Coding Platforms:** Solved **1000+ problems** across platforms with a highest contest rating of 1500+ on LeetCode.