

Piyush Rathore

Enrolment Number : 00596402723
B.Tech - Computer Science & Engineering
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Education

Year	Degree / Certificate	Institute / Board	CGPA/Percentage
2023 - Present	B.Tech	Maharaja Agrasen Institute of Technology	7.4 (Current)
2020-2022	High School	CBSE board	75%

Experience

- Excel Inter at | Paramount Engineers**
Currently interning at Paramount Engineers, focusing on Excel-based data analysis, reporting, and automation. Involved in optimizing workflows, creating complex formulas, and managing large datasets to improve project efficiency. This experience is enhancing my problem-solving skills and deepening my understanding of engineering project management.
April 2024 - Present
www.paramountengineershv.ac.in
- Campus Ambassador | Brainchant Official**
Ongoing internship as a Campus Lead at Brainchant Official. Gaining Hands-on experience of product marketing, communication and marketing strategy.
August 2024 - Present
www.brainchant.in
- Team Leader, SignVerse Team – Bitwars Hackathon-2025**
Leading a team of four in developing an innovative solution for a high-impact national challenge. Responsible for coordinating tasks, setting project milestones, and ensuring seamless collaboration. Emphasizing strategic problem-solving, efficient task delegation, and fostering a productive, creative team environment to achieve results that meet competition standards.

Projects

- Human Resource Management System (HRMS)**
Engineered a robust HR management system utilizing React and Node.js that streamlined attendance tracking, payroll processing, performance reviews, role-based authentication, and document management for over 500 employees. The system is containerized and fully automated with Docker, ensuring high scalability and maintainability.
October 2024
- SignLy Website**
Signly is an AI-powered Sign Language Interpreter that empowers the differently-abled community. Key features include a Sign Language Gallery, real-time Gesture Recognition for text conversion, and Speech-to-Text functionality. Built with Python, MediaPipe, OpenCV, and TensorFlow, Signly enhances accessibility and inclusivity by bridging communication gaps.
February 2025
- Student Management System (StudentDB)**
Deployed a MERN-stack application with CRUD functionality to manage student information. The project includes Docker containerization, a Makefile for process automation, and an organized directory structure for efficient educational data management.
October 2024

Achievements

- Successful Academic Projects:** Developed and implemented complex projects like the HRMS with DevOps , LRU Cache in C++ and contributed to various innovative research endeavours.
- Secured a Top 5 spot at BitWars Hackathon, organized by Catalyst Gen AI Society, JIMS Greater Noida.

Technical skills

- **Programming languages** : C++, Python, Java,
 - **Python Libraries** : NumPy, Matplotlib, TensorFlow
 - **Machine Learning** : Supervised, Unsupervised, Neural Networks, Deep Learning
 - **Database management** : MySQL
 - **Data Structures & Algorithms** : Certification in DSA concepts
 - **AI Tools**: Creating dynamic presentations, websites, portfolios, logos, AI-driven photos and videos, database management, backend development, frontend development, debugging code, summarising complex data sets, analysing data sets within seconds
 - **Operating system** : macOS, Windows, Linux
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Key courses taken (Certified)

- DSA in C++
- C++
- Project in Data Structures
- Excel