

Raunak Dey

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Objective

A passionate and diligent Software Developer with strong programming skills in Java, Python, C, and C++, seeking to leverage expertise in software development, cloud computing, and containerization for an entry-level Software Developer role.

Education

B.Tech in Computer Science Engineering

St. Thomas' College of Engineering & Technology, Kolkata; Session: **2021 - 2025**; CGPA(UPTO 6TH):9.01

Class 12, Hare School, Kolkata ; Percentage: **89.4%**

Class 10, The Scottish Church Collegiate School, Kolkata ; Percentage: **93.28%**

Technical Skills

- **Programming Languages:** Java, Python, C, C++, Go
- **Web Technologies:** HTML, CSS, JavaScript, React, Node.js, Express.js, Django, Flask, PHP, Next.js, Redux, Tailwind CSS, Firebase
- **Databases:** MySQL, PostgreSQL, SQL Server, MongoDB, Db2
- **Cloud & Container Technologies:** Docker, Kubernetes, IBM Cloud
- **Operating Systems:** Linux, Windows
- **Shell Scripting:** Bash, Python
- **Machine Learning & Data Science:** SVM, Deep Learning, Power BI

Projects

1. Library Management System using Node.js

- Developed a full-stack web application to manage library resources with user authentication, role-based access, and efficient search functionality.
- Technologies Used: **Node.js, Express.js, MongoDB**

2. Online Group Chat Application using PHP

- Created a chat application supporting real-time messaging with user authentication, file sharing, and notification features.
- Technologies Used: **PHP, MySQL, JavaScript**

3. AI-Based Cricket Commentary System

- Developed machine learning models to generate cricket commentary based on real-time game data, using umpire hand classification, batsman pose detection, and ball speed tracking.
- Technologies Used: **Python, TensorFlow, Flask**

4. Train Seat Reservation System using Angular

- Built a dynamic seat reservation system enabling users to book train seats efficiently, following specific booking rules and seat availability.
- Technologies Used: **Angular, TypeScript, CSS**