

Hardik Gupta

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Portfolio : <https://hardik-portfolio-five.vercel.app/>

EDUCATION

Year	Degree/Exam	Institute	GPA/Marks(%)
Present	B.Tech in Computer Science	Galgotias University	8.0/10.0
2021	C.B.S.E	Adarsh Indian Public School	88 %
2019	I.C.S.E	Modern Public School	92 %

TECHNICAL SKILLS

- **Programming Languages** : Java, Python, C, C++.
- **Web Development** : HTML, CSS.
- **Machine Learning & Deep Learning** : CNN, RNN.
- **Tools and Libraries** : Git, GitHub, \LaTeX .
- **Databases** : MySQL, MongoDB.
- **Soft Skills** : Communication, Teamwork, Software Engineering.

PROJECTS

- **Neural Network-Based Image Segmentation for Tumor Detection in Medical Imaging** (*Aug'24 – May'25*)
 - ◇ Deep Learning Model : : Implemented U-Net architecture using TensorFlow for precise pixel-level tumor segmentation in MRI scans.
 - ◇ Dataset : : Utilized publicly available annotated brain MRI datasets from Kaggle for supervised model training and evaluation.
 - ◇ Accuracy : Achieved over 98% segmentation accuracy with Dice coefficient optimization and image preprocessing techniques.
 - ◇ Web Application : Developed an intuitive web-based interface for users to upload MRI images and view real-time tumor segmentation results.
- **Cryptocurrency Tracker** (*Jan'24 – Mar'24*)
 - ◇ API Integration : Incorporated Rapid API, reducing data retrieval time by 30%.
 - ◇ State Management : Employed Redux Toolkit, enhancing application performance by 25%.
 - ◇ User Interface : Deployed advanced features like news filtering and detailed cryptocurrency insights, improving user engagement by 35%.
 - ◇ Front-End Development : Leveraged React's virtual DOM and component-based architecture to enhance responsiveness and reduce latency by 20%.
 - ◇ Data Handling : Processed over 1,000,000 API calls with efficient caching mechanisms.
- **Weather Forecasting Web Application** (*Apr'24 – May'24*)
 - ◇ Technologies Utilized : React, HTML, CSS.
 - ◇ API Integration : Engineered integration with OpenWeather API, achieving 100% accuracy in weather forecasts.
 - ◇ Features : Developed geolocation-based weather updates and city-based search functionality.
 - ◇ Design : Created over 5 custom weather icons that adjust dynamically based on weather conditions.
 - ◇ Performance : Optimized data handling, resulting in a 40% faster response time.

RESEARCH PUBLICATION

- **Neural Network-Based Image Segmentation for Tumor Detection in Medical Imaging** (*Jun'25*)

- ◇ Published in **YMER Journal**, Volume 24, Issue 06, ISSN: 0044-0477.
- ◇ Peer-reviewed, UGC Care Group-II, Scopus-Active Journal.
- ◇ Research highlights U-Net-based segmentation model trained on Kaggle brain MRI data for accurate tumor detection.
- ◇ Work carried out under Galgotias University, School of Computer Science and Engineering.

EXPERIENCE

- **Apprentice Software Engineer – BusinessNext** *(Sep'25 – Present)*
 - ◇ Database Management : Working with enterprise CRM databases, performing data validation, query analysis, and structured data handling to support business workflows.
 - ◇ CRM Systems : Contributing to configuration and customization of CRM modules used in real-world enterprise environments.
 - ◇ Application Support : Assisting in troubleshooting production-level issues and ensuring smooth workflow execution across system modules.
 - ◇ Collaboration : Working closely with cross-functional teams to understand requirements, improve system efficiency, and support client-specific implementations.

INTERNSHIP

- **Virtual Internship On Project Management :** *(Oct'22)*
 - ◇ Role : Virtual Intern.
 - ◇ Project Management : Directed and maintained project plans using Asana, Trello, and Jira, overseeing timelines and resource allocation for 5+ projects.
 - ◇ Efficiency : Improved task tracking accuracy by 40% and streamlined project delivery.
 - ◇ Team Collaboration : Led a team of 4 members, enhancing team productivity by 30%.
 - ◇ Skills Developed : Gained experience in adjusting project timelines and improving workflow efficiency.

SEMINAR/CERTIFICATION

- Java and DSA from Apna College.
- Project Management Virtual Experience From Accenture.
- Web development course from Udemy.