

BHASKAR M GUPTA

Bachelor's in Technology(CSE) | BIT Mesra

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Education

Year	Degree/Certificate	Institute	CPI/%
2021-present	B.Tech(Computer Science)	BIT Mesra	8.40/10.0
2020	Class XII (CBSE)	St. Anselm's School, Jaipur	92.6%
2018	Class X (CBSE)	St. Anselm's School, Jaipur	93.4%

Work Experience

Full-Stack Development Intern| Pratham Software

May'24 - July'24

- Developed a full-stack internship portal using **C#, Dapper, ASP.NET**, and **Angular**, allowing students to apply for internships and admins to manage applications.
- Implemented **JWT-based authorization** for secure role-based access and management of internship data.
- Designed dynamic and responsive UI using **Angular** for students to view and apply for internships, and for admins to manage internship postings.
- Managed data storage and retrieval using **Microsoft SQL Server**, optimizing query performance with **Dapper**.

Front-End Web Developer| SolarLagao.com

Mar'24 – Apr'24

- Designed and developed the website for SolarLagao.com, focusing on user-friendly interfaces and responsive design.
- Implemented modern frontend technologies such as **HTML, CSS**, and **JavaScript** to enhance site functionality and user experience.
- Collaborated with the development team to ensure seamless integration of design elements and backend functionalities.
- Optimized website performance and ensured cross-browser compatibility to deliver a consistent user experience.

Key Projects

Portfolio Website | Self Project

- Built a fully responsive Portfolio website using **HTML, CSS**, and **JavaScript**.
- Live Link-<https://bhaskarmgupta.github.io/Personal-Portfolio/>

Hospital Management System | Self Project

- Developed a full-stack hospital management system using **MongoDB, Express.js, React.js**, and **Node.js**, managing patient data, appointments, and doctor information.
- Built RESTful APIs for **CRUD operations** and implemented **JWT-based authentication** for secure access control.
- Reduced manual record-keeping time by **30%** by automating hospital data management processes.

AI/ML Powered Fire Detection System | Team Project

- Developed a comprehensive fire detection **system** using a camera to capture and analyze fire intensity with **Python** and **OpenCV**.
- Utilized **Arduino** and sensors to monitor fire intensity and trigger real-time alarms for authorities when intensity exceeds predefined thresholds.
- Engineered automated response by integrating a **relay motor** to initiate water supply for fire suppression when necessary.

Expense Tracker Web Application | Self Project

- Developed a full-stack expense tracking application using **MongoDB, Express.js, React.js**, and **Node.js** to manage income and expenses.
- Implemented dynamic transaction history with **CRUD operations** for tracking income, expenses, and balances.
- Integrated **JWT authentication** and user registration for secure access to personal financial data.
- Designed an intuitive **React.js UI** for easy input of expenses and visualization of financial trends through charts.

Technical Skills

Languages: C/C++, Basics Python and JAVA, HTML, CSS, JAVASCRIPT, REST APIs

Frameworks: React.js, Node.js, Express.js, Angular

Databases: MongoDB, MySQL, Microsoft SQL Server

Tools: GitHub, VS-CODE, Postman

Relevant Coursework

Udemy Web Development Bootcamp	Problem Solving Using Computational Thinking	Data Structure and Algorithm
AI/ML	Basic Python	OOP and Design Pattern

Positions of Responsibility

Head Coordinator | code@bit(Computer Club)

Aug'23-Aug'24

Coordinator | Cultural Committee

Aug'22 – Aug'23

Volunteer | Plasma Gyaan-2022 | IPR, Gandhinagar

Aug'22

Management Head | Irtiq(Drama Society of College)

Aug'22-present

Extra Curriculum

- Presented a paper on **Wearable Electronics and Health Monitoring** at ICCTMRI.
- Presented a paper on **Self Energy Generating Wearable Devices and Health Monitoring** in National Conference on **Recent Trends in Space Technology(RTST – 2024)** by ISRO RAC-S.
- Organized **Blood Donations Camp** with **Need Foundation**.