



Dipesh Kumar

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B.Tech. - Computer Science and Engineering

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech.	Indian Institute of Technology Guwahati	7.95 (Current)	2022-Present
Senior Secondary	CBSE Board	94.4%	2021
Secondary	CBSE Board	93.6%	2019

PROJECTS

- **PeerPulse - Project Collaboration Platform** Feb. 2024
Gold medal in Inter Hostel Technical Competition-Kriti'24 bit.ly/3xHoXKz
 - A dynamic platform facilitating **project collaboration and networking** among like-minded individuals.
 - Features include **real-time updates**, **interactive discussion forums**, **group chat functionality** and **comment facilities**.
 - Enhanced UI/UX with **mobile responsiveness**, **filtering searches** based on **TechStacks** and **project rating**.
 - Utilised **React.js**, **Node.js**, **MongoDB** and **OpenAI API** for enhanced functionality and performance.
- **National Service Scheme(NSS) Website** Apr. 2024
Group Project, NSS Cell, IIT Guwahati bit.ly/3xiebdz
 - Developed a website for **NSS IITG** for information sharing, volunteer coordination and resource management.
 - Key functionalities include **secure login** for NSS heads to **create posts** and **manage team member details**.
 - Leveraged **React.js** for frontend, **Node.js** for backend, **MongoDB** and **Cloudinary** for database and media storage.
- **Shortest Path Finder** Sept. 2023
Personal Project bit.ly/4cgIIrk
 - Created a **web platform** for IIT Guwahati to display shortest path between any two points of the campus.
 - Applied **Dijkstra's algorithm** on a campus map represented as a weighted undirected graph to optimize routes, resulting in an average **reduction of 95 meters** and up to a **12% decrease** in travel duration.
 - Utilized **Flask** for backend server and modeled a **Python-based API** to send data to frontend upon API calls.
- **Divine Visits - Temple Ticket Booking System** May 2024
Group Project, CSEA IIT Guwahati bit.ly/3VZVNj0
 - Designed a **streamlined web platform** for booking temple tickets for devotees seeking to schedule their temple visits.
 - Implemented a **secure login system** for devotees to **book tickets** and **QR code for scanning tickets** at temple gate.
 - Worked with **React.js**, **Node.js**, and **MongoDB** for management of tickets and QR codes.

ACHIEVEMENTS

- **Codeforces**: Max-Rating: **1570** | **Specialist** | **Solved 600+** problems | **65+** Contests | Handle: **Mysteriux**
 - Codeforces Round 950 : Secured Global **Rank 722** among 16500+ participants.
 - Codeforces Round 944 : Secured Global **Rank 929** among 12000+ participants.
- **CodeChef**: Max-Rating: **1810** | **4 Star** | Handle: **mysteriux**
 - Codechef Starters 117 : Secured Global **Rank 108** (in Div-4) among 14500+ participants.
 - Codechef Starters 126 : Secured Global **Rank 210** (in Div-2) among 20000+ participants.
- **Leetcode**: Secured Global **Rank 811** among 37500+ participants in Weekly Contest 403 | Handle: **Mysteriux**
- **Kriti Inter-Hostel Software Development Challenge 2024** : Secured **Rank 1** among all IIT Guwahati hostels.
- **International Coding League'24**: BITS Pilani: Secured a team rank of **68** out of **500** teams | Ranked **6th** in batch
- **Meta Hacker Cup 2024**: Secured Global Rank **1602** out of 22494 participants in **Round 2**.
- **Prep-Bit Contest**: Coding Club IIT Guwahati: Secured **Institute Rank 5** among 250+ participants.
- **Joint Entrance Examination 2022 (Mains)**: Secured All India **Rank 16,389** among 1 million candidates.
- **Joint Entrance Examination 2022 (Advanced)**: Secured All India **Rank 7312** among 150,000 candidates.

TECHNICAL SKILLS

- **Programming**: C++, C, Javascript*, Python* • **Web Technologies**: HTML, CSS, React.js, Node.js, Express.js*
- **Database Management Systems**: MySQL, MongoDB* • **Miscellaneous**: Git, Github

* Elementary proficiency

KEY COURSES TAKEN

- **Computer Science**: Data Structures and Algorithms (Theory & Lab), Database Management Systems (Theory & Lab), Computer Networks, Operating Systems, Design and Analysis of Algorithms, Computer Architecture and Organization
- **Mathematics**: Probability Theory and Random Processes, Elementary Number Theory and Algebra, Linear Algebra

POSITIONS OF RESPONSIBILITY

- **Core Team Member, Events, Alcheringa'2025** Jun. 2024 - Present
 - Managed many events and joined the core team to assist in planning, organizing, and executing key events for the fest.
- **Core Team Member, Cadence** Jun. 2024 - Present
 - Coordinated major events, resulting in a **30% increase** in club membership and active engagement.