

Gourav Dash

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Introduction

I am a Software Engineer with strong skills in designing and developing robust, efficient, and scalable software solutions. Proficient in Java, Python, and C++, I also specialize in **full-stack development using the MERN stack**. I actively participate in **competitive programming**, which sharpens my algorithmic thinking and problem-solving abilities. Passionate about technology and continuous learning, I strive to stay ahead in the ever-evolving field of Computer Science and Engineering.

Education

Bachelor of Technology in Computer Science Engineering 2023 - 2027
Lovely Professional University

- Currently pursuing B.Tech in Computer Science Engineering with **CGPA: 7.6/10.0**

High School Education 2022 - 2023
Lovely Public Senior Secondary School, PD Vihar, New Delhi

- **Board:** CBSE
- **Percentage:** 74.7%

Matriculation 2022 - 2023
Lovely Public Senior Secondary School, PD Vihar, New Delhi

- **Board:** CBSE
- **Percentage:** 96%

Experience

President of Atal Tinkering Laboratory (ATL) New Delhi
ATL, Lovely Public Senior Secondary School 2019 - 2023

- Started as a member and progressively advanced to the role of President, leading a team of innovative minds
- Developed and managed multiple technical projects, focusing on practical solutions for real-world problems
- Won numerous hackathons, showcasing strong competitive and problem-solving abilities
- Received the prestigious "Inspire Manak Awards" for designing a "Smart-Safety Helmet" for construction workers, winning a prize of INR 10,000
- Cultivated skills in project management, prototyping, innovation, problem-solving, and hackathon participation
- Led cross-functional teams to develop innovative solutions addressing community challenges

Publications

CPU Scheduling Algorithms May 2025
Aditya Kumar Anupam, Yash Jee, *Gourav Dash*
[International Journal of Advance Research, Ideas and Innovations in Technology \(IJARIIT\)](#) [🔗](#)

Projects/Open Source

Planning Management Dashboard Mar 2025 - Apr 2025

- **Project Objective:** Designed and developed a comprehensive dashboard to streamline project tracking and automate resource allocation for improved efficiency
- **Problem Statement:** Traditional project management tools lacked real-time visualization and intuitive interfaces, leading to inefficient resource allocation and project delays

- **Features:** Responsive UI with Tailwind CSS, real-time data visualization, interactive task management, user authentication system, database integration, timeline visualization, and automated progress reporting
- **Impact:** Reduced project planning time by 40%, improved resource utilization by 25%, and enhanced stakeholder communication through centralized information access
- **Tech Stack:** HTML, CSS, Tailwind CSS, JavaScript, PHP, MySQL

Domain-Specific AI Chatbot: Culture Guide Expert (*Python, Flask*)

Jan 2025 - Feb 2025

- **Project Objective:** Developed an AI-powered chatbot specialized in providing cultural guidance and information to users with an emphasis on exceptional user experience
- **Problem Statement:** Existing cultural information sources lacked personalization and interactive engagement, creating barriers for users seeking to understand diverse cultural contexts
- **Features:** Intuitive UI with smooth animations, natural language processing for contextual awareness, extensive cultural knowledge database, personalized guidance based on user preferences, adaptive learning mechanisms
- **Impact:** Enhanced cultural knowledge accessibility by 85
- **Tech Stack:** Python, Flask, JavaScript, Natural Language Processing APIs

Technologies

Programming Languages: C/C++, Java, Python, JavaScript, TypeScript

Frontend & Tools: HTML5, CSS3, React.js, Next.js, Tailwind CSS, Figma, Linux, Bootstrap, Gitlab

Backend & Databases: Node.js, Express.js, Django, MongoDB, Mongoose, PostgreSQL, PHP

Relevant Coursework: Data Structures & Algorithms, Database Management System, Software Engineering, Operating System, Object-Oriented Programming, Git/GitHub

Soft Skills & Languages

Soft Skills: strong communication and leadership skills, work well in a team environment, and am hardworking, passionate about learning new things, and highly focused on achieving goals

Languages: English (Read, Write and Speak), Hindi (Read, Write and Speak), Odia (Speak)

Competitive Programming Profile

LeetCode

[LeetCode Profile](#) 

- **Rating:** 1674
- **Rank:** Top 15%
- **Problems Solved:** 293

CodeForces

[CodeForces Profile](#) 

- **Rating:** 1010
- **Rank:** Pupil
- **Problems Solved:** 84
- **Contests:** 8

CodeChef

[CodeChef Profile](#) 

- **Rating:** 1271
- **Rank:** 2
- **Problems Solved:** 7
- **Contests:** 1

Certifications

Introduction to Front-End Development

Meta

Credential ID: SN978B4XCBE8 

The Bits and Bytes of Computer Networking Credential ID: 5CBQU3KFQEHI ↗	<i>Google</i>
Introduction to Hardware and Operating Systems Credential ID: EI0MXZOTPBFO ↗	<i>IBM</i>
Digital Systems: From Logic Gates to Processors Credential ID: 8GUB53Q8OXTTP ↗	<i>UAB</i>
Fundamentals of Network Communication Credential ID: A6XUIEG32H79 ↗	<i>University of Colorado</i>
C++ (Beginners to Advance) Certificate ID: UC-5d8ba819-5968-44e0-92cc-10d7060d6581 ↗	<i>Udemy</i>
Packet Switching Networks and Algorithms Credential ID: XXJGXLNH8MHT ↗	<i>University of Colorado</i>
Peer-to-Peer Protocols and Local Area Networks Credential ID: JUKSXYDHU6L4 ↗	<i>University of Colorado</i>
Leadership Mastery Course Certificate ID: UC-a662f730-fc8e-4cf3-bb43-d56b6548a623 ↗	<i>Udemy</i>

Additional Information

1. State-level Badminton Player
2. Musical Degree in A Major Pentatonic Scale Guitar