Gourav Dash

⚲ Delhi   ✉ gaurav.dash05@gmail.com   ☎ 8810228783   🔗 GouravDash.com   in 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 - Present*
Lovely Professional University

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

High School Education   *2020 - 2023*
Lovely Public Senior Secondary School, PD Vihar, New Delhi

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

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

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   *Google*
Credential ID: 5CBQU3KFQEHI ↗

Introduction to Hardware and Operating Systems   *IBM*
Credential ID: EI0MXZOTPBFO ↗

Digital Systems: From Logic Gates to Processors   *UAB*
Credential ID: 8GUB53Q8OXTP ↗

Fundamentals of Network Communication   *University of Colorado*
Credential ID: A6XUIEG32H79 ↗

C++ (Beginners to Advance)   *Udemy*
Certificate ID: UC-5d8ba819-5968-44e0-92cc-10d7060d6581 ↗

Packet Switching Networks and Algorithms   *University of Colorado*
Credential ID: XXJGXLNH8MHT ↗

Peer-to-Peer Protocols and Local Area Networks   *University of Colorado*
Credential ID: JUKSXYDHU6L4 ↗

Leadership Mastery Course   *Udemy*
Certificate ID: UC-a662f730-fc8e-4cf3-bb43-d56b6548a623 ↗

Additional Information

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