Gourav Dash

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Introduction

Software Engineer with expertise in full-stack development (MERN stack), proficient in Java, Python, C++. Strong competitive programming background with algorithmic problem-solving skills. Passionate about scalable software solutions and continuous learning in Computer Science.

Education

B.Tech Computer Science Engineering — *Lovely Professional University* — **CGPA: 7.8/10.0**   *2023 - 2027*

- Relevant coursework: Data Structures & Algorithms, Database Management, Software Engineering, Operating Systems
- Active member of the university's coding club and participated in technical workshops

High School (CBSE) — *Lovely Public Senior Secondary School, New Delhi* — **74.7%**   *2022 - 2023*

Experience

President, Atal Tinkering Laboratory (ATL) — *Lovely Public Senior Secondary School*   *2019 - 2023*

- Led team of innovative minds, progressing from member to President over 4 years
- Won "Inspire Manak Awards" for Smart-Safety Helmet design (INR 10,000 prize)
- Managed multiple technical projects and won numerous hackathons
- Organized workshops for junior members on electronics, programming, and design thinking
- Collaborated with teachers and industry professionals to develop hands-on learning experiences

Publications

CPU Scheduling Algorithms — IJARIIT ⧉   Oct 2025

Key Projects

Planning Management Dashboard — *HTML, CSS, Tailwind CSS, JavaScript, PHP, MySQL*   *Mar 2025*

- Comprehensive dashboard for project tracking with real-time data visualization
- Reduced project planning time by 40%, improved resource utilization by 25%

AI Culture Guide Chatbot — *Python, Flask, JavaScript, NLP APIs*   *Jan 2025*

- AI-powered chatbot with natural language processing for cultural guidance
- Enhanced cultural knowledge accessibility by 85%, 92% user satisfaction rating
- Implemented adaptive learning mechanisms to personalize user experiences
- Integrated with external APIs to expand the cultural knowledge database

Technologies

Languages: C/C++, Java, Python, JavaScript, TypeScript — **Frontend:** HTML5, CSS3, React.js, Next.js, Tailwind CSS — **Backend:** Node.js, Express.js, Django, PHP — **Databases:** MongoDB, PostgreSQL — **Tools:** Git, Linux, Figma

Languages & Skills

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

Soft Skills: Leadership, Team Management, Communication, Problem-solving, Critical Thinking, Adaptability, Time Management

Competitive Programming

LeetCode ⧉**:** Rating 1674, Top 15%, 301 problems solved — **CodeForces** ⧉**:** Rating 1010 (Pupil), 84 problems solved — **CodeChef** ⧉**:** Rating 1271, 7 problems solved

Key Certifications & Achievements

Meta: Front-End Development ⧉ — **Google:** Computer Networking ⧉ — **Udemy:** C++ Programming ⧉, Leadership Mastery ⧉ — **Achievements:** State-level Badminton Player, Musical Degree in Guitar