

Debopoma Debnath

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SKILLS

- **Languages:** Python, C, C++, Java, Java Script
- **Frameworks:** HTML, CSS
- **Tools/Platforms:** Virtual Machines, AWS, Docker, MySQL
- **Soft Skills:** Team Player, Time Management, Adaptability.

PROJECTS

- **AI Hotel Booking** | [Live](#) Feb' 25 – Apr' 25
 - Developed a responsive, user-friendly hotel booking interface that helps users to find affordable hotels in any location using modern web technologies.
 - Created using HTML, CSS and javascript, Integrated the Gemini API to enhance recommendation accuracy by analysing and matching user preferences.
 - Delivered a stable and efficient application with improved performance and usability after thorough testing and bug fixing.
- **Efficient Garbage Collector** | **Live** Aug' 23 – Dec' 23
 - Designed an efficient garbage collection module that optimizes memory usage through effective allocation and reclamation of unused memory.
 - Implemented dynamic memory management techniques to detect, track, and free unreachable objects, and refined collection algorithms through systematic stress testing.
 - Achieved improved memory efficiency and reduced fragmentation, resulting in better performance and system stability.

TRAINING

- **NexGen Networking: Summer Internship in Advance Computer Networks** | **Centre for Professional Enhancement.** | [Link](#) Jun' 25 – Jul' 25
 - Gained an understanding of fundamental computer networking and communication concepts, including how network enhance productivity and the role of IP addressing in device identification and routing.
 - Used Cisco Packet Tracer to apply theoretical networking concepts through hands-on simulations and practical configuration.
 - Applied concepts during training through practical network simulations.

CERTIFICATES

- Privacy and Security in Online Social Media | NPTEL | [Link](#) Oct' 25
- Master Generative AI & Generative AI tools | Infosys | [Link](#) Aug' 25
- Build Generative AI Apps and Solutions with No-Code Tools | Infosys | [Link](#) Aug' 25
- Computational Theory Language Principle & Finite Automata Theory | Infosys | [Link](#) Aug' 25
- certificate on ChatGPT-4 Prompt Engineering: ChatGPT, Generative AI & LLM | Infosys | [Link](#) Oct' 24
- Coursera Bits and Bytes of Computer Networking | Coursera | [Link](#) Sep' 24

ACHIEVEMENTS

- Solved 100+ coding problems across HackerRank & Codechef, sharpening problem-solving skills. May' 25
- Earned Silver badge on HackerRank, including a 4-star rating in C for consistent performance Dec' 24
- Attained 4-star by solving various coding questions on HackerRank in Python language. Sept' 24

EDUCATION

- **Lovely Professional University** Phagwara, Punjab
Bachelor of Technology - Computer Science and Engineering; cgpa: 6.0 Aug' 23 - Present
- **Sri Dhananjay Das Kathia Baba Mission School**
Intermediate; Percentage: 75% Apr' 21 – Mar' 23
- **Don Bosco School**
Matriculation; Percentage: 79% Apr' 19 – Mar' 21