

AMARJEET KUMAR

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EDUCATION

Chandigarh University

Bachelors of Technology in Computer Science and Engineering

June 2021 - June 2025

CGPA: 7.6/10

Chandradhari Mithila Science College

Senior Secondary (Class XII)

Apr 2017 - Mar 2019

Percentage: 86.80

Chandradhari Mithila Science College

Matriculation (Class X)

Apr 2016 - Mar 2017

Percentage: 82.20

CAREER OBJECTIVE

Driven Computer Science and Engineering student seeking a software development internship to apply strong programming, problem-solving, and technical skills in innovative projects.

PROJECTS

Face Recognition Attendance System

- LBPH algorithm-based project to manage attendance using facial recognition with a dataset of 100 images.
- Developed software to register attendance by scanning faces and providing user information.
- Implemented efficient database storage for managing student and login authentication data.

Heart Blockage Detection

- Designed and implemented a Convolutional Neural Network (CNN) model to automatically detect pneumonia in chest X-ray images, achieving improved diagnostic accuracy and optimizing medical imaging analysis.
- Designed and developed a visually appealing website deployed on GitHub Pages.
- Published research in IEEE on enhancing traditional diagnostics and improving patient care using cardiovascular imaging data analysis, demonstrating expertise in medical data interpretation and machine learning applications.

CPU-Scheduling-Algorithms

- Implemented CPU scheduling algorithms (FCFS, RR, SJF, SRT, MQS) in C++ to optimize CPU utilization, process scheduling, and evaluate key metrics, including turnaround time, waiting time, and throughput.
- Designed and developed a visually appealing website deployed on GitHub Pages.
- Developed a C++ simulation for process scheduling, modeling real world scenarios to analyze and compare CPU scheduling algorithms, evaluate job queue performance and measure metrics like response time and CPU efficiency.

Portfolio Personal Web Project

- Personal portfolio website showcasing skills, projects, and achievements using HTML, CSS, and JavaScript..
- Designed and developed a visually appealing website deployed on GitHub Pages.
- Managed project files using version control for collaboration and tracking changes.

TRAINING

Intel Learn Student Ambassador | Intel

June 2023 - July 2023

- Completed a 45-day internship with Intel, gaining hands-on experience in industry practices and technical skills, and applying real-world solutions in a professional environment.
- Gained practical expertise with AI tools, including machine learning, deep learning, and artificial intelligence techniques, enhancing proficiency in cutting-edge technologies and preparing for future challenges in the field.
- Collaborated with industry experts to implement AI-driven solutions, expanding knowledge of advanced technologies and their real-world applications in diverse sectors.

CERTIFICATIONS

- **Discrete Mathematics by NPTEL** (IIT Madras)
- **Infosys Springboard** (Database Management System)
- **IBM Machine Learning** (Exploratory Data Analysis for Machine Learning)
- **IBM Machine Learning** (Supervised Machine Learning: Classification)
- **The Hindustan Pratibha Samman 2017** recognized outstanding academic performance and dedication.

SKILLS AND INTERESTS

C++, Java, Python, HTML, CSS, JavaScript, SQL, Git, Microsoft 360 Tools, Video Editing, Logo Designing, Teamwork, Leadership, Public Speaking

RELEVANT COURSEWORK

Data Structures, Algorithm, Database Management System, Object Oriented Programming, MySQL, Machine Learning, Artificial Intelligence, Natural Language Processing, UI Design

POSITIONS OF RESPONSIBILITY

Head of E-Cell Club Team at Chandigarh University

Organized events to promote entrepreneurship, facilitated patenting of student ideas, and guided trademark registration for ventures.

OPEN SOURCE CONTRIBUTION

- Contributed over **200+** **LeetCode** and **GeeksForGeeks** solutions on **GitHub** to share knowledge and insights with the community.