

Karan Gangwar

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EDUCATION

IET LUCKNOW

B.TECH IN COMPUTER SCIENCE
AND ENGINEERING
2021-2025 | Lucknow, India
GPA: 7.67 / 10.0

S.H.P.S

May 2020 | Haridwar, India
10th: 92.50 / 100
12th: 80.00 / 100

LINKS

Github :// @karangangwar341
Codechef :// @karangangwar07
LinkedIn :// @karangangwar
Behance :// @karangangwar

COURSEWORK

UNDERGRADUATE

Database Management System
Software Engineering
Design and Analysis of Algorithms
Compiler Design
Operating Systems
Microprocessors
Theory of Automata and Formal
Languages
Computer Networks
Machine Learning

SKILLS

PROGRAMMING

Over 5000 lines:

Java • C++ • JavaScript
• SQL • Python • HTML

DEVELOPMENT

Designing

Figma • Framer • Canva
AdobeXD • WordPress

Libraries and Frameworks:

ReactJS • Material UI • Tailwind
• Bootstrap

SOFT SKILLS

Adaptability • Creativity
• Decision-making • Resilience
• Problem-solving skills • Presentation
skills • Troubleshooting • Debugging

PROJECTS

MZONE | REVOLUTIONARY MUSIC APP

February 2024 | IET Lucknow

- Engineered Mzone, a groundbreaking music application, with Node.js backend, Firebase database, and React frontend.
- Designed sleek and intuitive UI using Figma, enhancing user engagement and satisfaction about 60% people preferred Mzone over other players based on the visually appealing nature.
- Played a pivotal role as Frontend Developer and UI Designer, ensuring the delivery of top-notch solutions.

GRIEVEASE | TRANSPARENT GRIEVANCE MANAGEMENT PORTAL

October 2023 | HackIET

- Reduced the time to report a complaint by over 50% it required less than 2 minutes to file a complain now .
- Crafted an intuitive and visually appealing UI using Figma, significantly enhancing user interaction and satisfaction.
- Held a pivotal role as a Frontend Developer and UI Designer, ensuring the seamless delivery of high-quality solutions.

SIGN LANGUAGE READER | SIGN LANGUAGE DETECTION

April 2023 | Digital Realm

- Developed a Python code that accurately detects and translates sign language alphabets using the webcam, achieving an accuracy rate of 85%.
- Employed OpenCV, Mediapipe Keras model, and machine learning techniques, resulting in a 20% improvement in detection accuracy compared to previous methods.
- Currently expanding the code's capabilities to detect entire words and short phrases, with a projected 30% increase in translation accuracy upon completion.

ACHIEVEMENTS AND CERTIFICATIONS

- Successfully solved over 300 DSA problems across various coding platforms.
- Our team achieved first place at the HackIET Hackathon, surpassing over 50 submissions with GrievEase..
- Attained a 3-star rating on CodeChef with a peak rating of 1652.
- Specialist on codeforces with peak rating of 1402.
- Completed "Conduct UX Research and Test Early Concepts" on Coursera as part of a 7-course series by Google for UI designing.

VOLUNTEER EXPERIENCE

- Active Member at Google Developer Student Clubs, IET Lucknow.
- Held the position of Branch Mentor at Parmarth College Club, leading and guiding a team of 20 junior members in club-related activities, promoting effective collaboration and successful project outcomes.
- Mentor at Kalakriti (The Fine-arts Club), IET Lucknow.

