

EKAKSH GOYAL

EMAIL: [EKAKSH1031@GMAIL.COM] | PHONE: [+91 9910805899] | LINKEDIN:
WWW.LINKEDIN.COM/IN/EKAKSHGOYAL

EDUCATION

Lotus Valley International School, Noida | *May 2010 - Present*
Currently in Grade XI

- Academic Performance: Grade IX (85% aggregate), Grade X (72% aggregate)
- Scholar Badge holder in Grade VIII
- Pursuing: Physics, Chemistry, Mathematics, English, and Computer Science

PROFESSIONAL EXPERIENCE

Teerthanker Mahaveer University, Moradabad (UP) | *Cybersecurity and Data Analyst Intern* | Mar 2024 - Jun 2024

- Developed a buggy application under the guidance of Dr. Rakesh Dwivedi, Head of CCSIT
- Worked as a data analyst and created a sign language glove for hearing and speech-impaired individuals

Jitin Chawla's Centre for Career Development, Delhi | *Digital Marketing and Research Intern* | May 2024

- Achieved 100% reach growth on social platforms including Facebook and Instagram
- Published research paper on Artificial Intelligence in the automotive industry

Aarambh Trust for Women and Children, Delhi | *Leader and Volunteer* | 2019 - Present

- Established and currently lead the Aarambh Youth Wing initiative
- Designed creative and promotional materials as a digital marketing intern

SAAR Education Pvt. Ltd., Noida (UP) | *Digital Marketing Intern*

- Gained valuable insights into human resource development and digital marketing
- Collaborated with educational organization focused on innovative teaching methods

TECHNICAL PROJECTS

Vriti - Protein Folding Quantum Analysis AI

- Leveraged AI and quantum sorting algorithms to predict protein structures for accelerated vaccine development
- Successfully modeled SARS-CoV-2 Spike Protein, Tuberculosis (Ag85B), and HIV-1 gp120 proteins

P.E.R.C.Y (Modular Attachment Kit)

- Designed modular attachment converting regular cars into amphibious vehicles for flood situations
- Implemented inflatable structures, depth sensors, and specialized wheels for water navigation

Cryptic

- Developed RSA Encryption software designed to maintain security against quantum computing attacks
- Created end-to-end encrypted chat system resistant to quantum decryption methods

F1 Hub

- Built a comprehensive Python program containing detailed Formula 1 information database
- Implemented a Pokédex-style interface allowing users to access and query F1 data efficiently

Hand Gesture Recognition System

- Developed technology to interpret hand gestures and convert them into actionable commands
- Utilized computer vision techniques to accurately recognize and classify different gesture patterns

Aarambh Website

- Designed and developed the official website for Aarambh Trust for Women and Children
- Implemented donation links and management system using C++, HTML, SQL and WordPress

Buggy App

- Created an application that provides notifications about software bugs and vulnerability alerts
- Designed user-friendly interface to display real-time bug detection and resolution status

Sign Language Glove

- Engineered a wearable device that translates sign language gestures into text and speech output
- Designed to assist communication for deaf and mute individuals in everyday situations

Katrina (AI Assistant)

- Developed a customized AI assistant similar to conversational models but without reasoning capabilities
- Implemented natural language processing techniques for general user assistance and information retrieval

RESEARCH AND PUBLICATIONS

- Published research paper "Emergence of Artificial Intelligence in Automobile" in the International Journal of Scientific Development and Research (IJS DR), July 2024

TECHNICAL SKILLS

- **Programming Languages:** C++, Python, HTML, Java, JavaScript
- **Software:** Adobe Premiere Pro, Adobe After Effects, Adobe Lightroom, Microsoft Office
- **Tools & Platforms:** MySQL, Github, Windows, MacOS, Linux
- **Certifications:** A+ Certified, HTML, Scratch, Python

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

- **Leadership:** Leader of Aarambh Youth Wing, President of School Photography Team
- **Music:** Drummer (2014-2023) with community band in Noida; First-place winner in Noida's Talent Contest
- Performed at Adobe Noida, Ashoka University, Noida Stadium, and DLF Mall of India
- **Competitions:** Advanced to district level in STEAM Innovation League (global AI and robotics competition)
- **Codathons:** Participated in Google Code-A-Thon, Apple's Swift Playground Challenge, Technoxian Code-A-Thon
- Won 2nd Position in Golden Frame Code-A-Thon at Lotus Valley International School

ADDITIONAL QUALIFICATIONS

- A2 Certification in German; attended workshops at Max Muller Bhawan, Delhi
- Received LOR from Noida Development Authority for performing music for cancer patients
- Member of school table tennis team and interaction club

- Lead actor in school theatre performance (2024); represented school at Short Film contest
- Host for numerous school assemblies and events
- Participant in street plays raising awareness about social issues
- First Position in inter-school Panel Discussion