

**Personal Details :**

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**Profile :**

B.Tech CSE first-year student with a strong foundation in Python, C++, Full-Stack Development, Flutter, and Android development. Actively engaged in freelancing and online projects, delivering practical software solutions while continuously enhancing expertise in cloud computing and scalable systems. Passionate about building efficient applications, solving real-world problems, and learning modern technologies.

**Academic Qualifications:**

S.N	Institution / Organization	Course	Year	C.GPA
1.	SRMIST – Irungalur,India	B.Tech CSE(Core)	2025-present	-
2.	KMC-Lalitpur,Nepal	High school, NEB +2 PCBM	2022-2024	3.01/4.0
3.	Shree Shankar National S.S,Mahottari,Nepal	SEE-10th	2022	2.60/4.0

**Projects :****Banking Management System**

- Developed a full-stack Banking Management System using C++17, SQLite3, cpp-httplib, nlohmann/json, HTML/CSS/JavaScript, supporting secure role-based workflows for Admin and Staff portal.
- Designed and implemented RESTful APIs for authentication, account creation, deposits, withdrawals, account search, dashboard analytics, and account closure with proper authorization controls.
- Built an automated account approval workflow where pending customer applications could be reviewed by admins, with instant generation of accounts/cards and transaction-ready onboarding.

- Ensured system reliability through extensive testing and validation, covering login flows, transaction edge cases, insufficient balance checks, duplicate email prevention, and role-based access restrictions.

### **Poultry Farm Web Application – Full Stack egg supply management System**

- P Built a full-stack Poultry Business Management System using Python (Flask), HTML, CSS, and JavaScript, enabling customers to place orders, make online payments, and track deliveries in real time.
- Developed a secure Admin Dashboard for managing products, customer orders, inventory, payment records, and overall business operations through role-based access controls.
- Implemented automated invoice generation for completed purchases, improving billing efficiency and providing customers with downloadable transaction records.
- Designed an end-to-end order management workflow with status tracking, payment confirmation, and responsive UI to streamline customer experience and business operations.

### **BioHealth AI – Full Stack Health Utility Web Application**

- Built a health-based scalable web application using HTML, CSS, JavaScript, and Python(Flask)
- Implemented AI report analyser and AI Symptoms based disease predictor using LLM, Chatbot , BMI calculator, blood group compatibility checker and more.
- Deployed using vercel : Biohealthai.vercel.app

### **Detention Saver – Attendance Prediction Dashboard**

- Developed a responsive web application using HTML, CSS, and JavaScript to help students track attendance and avoid falling below required attendance thresholds.
- Built an interactive “Safe-to-Bunk” calculator that dynamically predicts how many classes can be skipped without risking detention and the minimum classes required to maintain 75% and 90% attendance levels.

### **Experience :**

- Completed a Software Engineering Job Simulation with JPMorgan Chase through Forage, building a transaction-processing microservice using Spring Boot and Apache Kafka.
- Developed multiple academic and personal projects including web applications and system-based applications using HTML, CSS, JavaScript, Python, Flask, and C++.

- Participated in technical workshops and hackathons such as NoobHackFest 2025 and a Drone Development Workshop by Air Vulture Aerospace, gaining hands-on exposure to emerging technologies.
- Gained foundational knowledge in cloud computing and AI technologies through industry-recognized training programs from Simplilearn and IndiaAI.

### **Achievement / Certificates:**

#### **IOS App Development Course | SRMIST Dept. of CSE – Tiruchirapalli | 20<sup>th</sup> – 26<sup>th</sup> April**

- Completed a 6-day Short Term Training Program on iOS App Development using Swift, covering programming fundamentals, Swift basics, UI design, app development, deployment, and testing.

#### **Tensor'26 | SRMIST-Tiruchirapalli | 16<sup>th</sup> -17<sup>th</sup> April 2026**

- Participated in a 24-hour National Level AI Hackathon and developed a real-time translator and language preservation system for endangered and extinct languages.

#### **Microsoft Azure Fundamentals | Microsoft via Simplilearn | 18<sup>th</sup> March 2026**

- Learned core Azure services including Virtual Machines, Azure Storage, and Azure Networking.
- Developed understanding of Azure security, identity management using Azure Active Directory, and compliance principles.
- Gained exposure to cloud architecture principles and best practices for scalable and reliable cloud solutions.

#### **Introduction to Cloud Computing | Simplilearn | 16<sup>th</sup> march 2026**

- Completed Introduction to Cloud Computing training, gaining foundational knowledge of cloud architecture and distributed computing concepts.
- Explored core cloud deployment models including public, private, and hybrid cloud environments and key cloud services model ((IaaS, PaaS, SaaS) with their application.
- Developed understanding of scalability, elasticity, virtualization, and cost efficiency in cloud platforms with exposure to major cloud platforms such as Microsoft Azure, Amazon Web Services, and Google Cloud Platform.

#### **Drone Workshop | Air Vulture Aerospace | 15<sup>th</sup> March 2026**

- Completed a 3-day hands-on drone workshop, gaining practical knowledge of UAV components, design principles, drone system architecture and real-world drone development practices.

- Learned thrust-to-weight ratio calculations, motor selection, and ESC rating matching for optimal drone performance.
- Understood the fundamentals of drone building workflow, integrating motors, ESCs, controllers, and frame components.

### **JPMorgan Chase Software Engineering Job Simulation | Forage | 12<sup>th</sup> March 2026**

- Built a Spring Boot microservice that uses Apache Kafka to receive and process large volumes of transaction messages.
- Implemented transaction validation and stored data using Spring Data JPA with an H2 Database, including updating user balances.
- Connected the service to an external incentive API using RestTemplate and included the incentive response in transaction processing.
- Created REST APIs to check user balances and tested the system using Apache Maven to ensure everything works correctly.

### **Yuva AI for All | IndiaAI(AISECT) | 2<sup>nd</sup> March 2026**

- Completed Yuva AI for All, gaining foundational knowledge of AI concepts and real-world applications
- Learned basics of machine learning, data-driven decision making, and AI technologies.
- Explored ethical AI practices and the impact of AI across sectors such as healthcare, education, and smart systems.

### **NoobHackFest 2025 | SRMIST-Tiruchirapalli | 7<sup>th</sup> – 8<sup>th</sup> February 2026**

- Advanced Face Recognition Attendance System using python.

### **C Programming 100 problem solving challenge | Directorate of Learning & Development – SRMIST | 22<sup>nd</sup> November 2025**

- Complete 50 hr of intensive programming practise as part of SRMIST-IEEE and PURDUE EPICS program by solving 100 problems using C language.

### **Overview of Geo-computation and Geo-web Services | Indian Institute of Remote Sensing (IIRS), ISRO | 29<sup>th</sup> March 2025**

- Completed online training in GIS, Remote Sensing, and Spatial Data Applications.

### **2<sup>nd</sup> Dan (WTF-Taekwondo) | KUKKIWON | December 2019**

- Successfully completed 2<sup>nd</sup> DAN Black Belt Test in accordance with Nepal Taekwondo Association and World Taekwondo Association.

*( Visit [linkedin.com/in/Eklavya-chy/](https://www.linkedin.com/in/Eklavya-chy/) for more certificates and achievements)*

## **Key skills:**

- Programming Languages : C , Python, C++,JavaScript, Java
- Technologies: HTML ,CSS, React, Bootstrap, SQLite
- Tools : MongoDB, FireBase, MySQL, Android Studio, Matlab, Vercel, Render
- Microsoft office suite
- Team Work and Adaptability
- Languages
  - English : Academic IELTS Band 7
  - Nepali : Fluent
  - Japanese : N5 basics
  - Hindi : Medium
  - Bhojpuri/Maithali : conversational

## **Hobbies and Interests :**

- Participating in Hackathons and coding competitions.
- Learning Programming concepts and building mini projects
- Exploring Emerging technologies.
- Playing guitar and photography

## **Reference :**

- Available upon request

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