# Anwesh Sinha

Roll No.: 231030014
Bachelor of Technology
Jaypee University of Information Technology, Solan

📞 +91-9113190844
✉ anweshsinha2015@gmail.com
 https://github.com/AnweshSinha
 www.linkedin.com/in/anwesh-sinha1

## EDUCATION

- **Bachelor of Technology in Computer Science and Engineering** — *2023-27*
  *Jaypee University of Information Technology, Solan* — CGPA: 7.02

## PERSONAL PROJECTS

- **CKD Detection Using Ensemble Machine Learning Models**

*Developed a high-accuracy model for chronic kidney disease prediction.*

  – Built an ensemble classifier combining Random Forest, XGBoost, and LightGBM, achieving 99.75% accuracy.
  – Performed feature selection using RFE and Boruta to retain the most relevant clinical indicators.
  – Handled class imbalance using borderline SMOTE for better generalization.
  – *Based on: "Machine Learning Models for Chronic Kidney Disease Diagnosis and Prediction" – Rahman et al., 202X.*

- **Python-Based Traffic Management and Visualization System**

*Developed a simulation-based system for smart traffic control and analytics.*

  – Built a discrete-event simulation using SimPy to model traffic light behavior and vehicle movement.
  – Implemented features like emergency vehicle prioritization, real-time traffic stats logging, and rule violation detection.
  – Visualized traffic flow trends using Matplotlib to support analysis and optimization.

- **PassX – Personal Password Manager (Web-Based)**

*Built a secure and user-friendly web application to manage and store passwords.*

  – Implemented password masking, copying to clipboard, and deletion with real-time UI updates.
  – Stored user data locally using browser's localStorage API for offline access.
  – Used HTML, CSS, and JavaScript along with Font Awesome for enhanced visual design.

## EXPERIENCE

- **Summer Tech Internship** — *June – July 2025*
  *Times Internet Limited* — Offline
  – Worked with the Data Management Platform (DMP) team to optimize and automate the generation of advertiser-facing cohort dashboards and sales decks.
  – Built an end-to-end Google Slides automation pipeline using CrewAI and Gemini Flash, transforming structured cohort data into fully branded, insight-rich presentations.
  – Reduced sales deck generation time from 1–2 days to 15–20 minutes—achieving over 95% time savings and improving operational efficiency by 20x.
  – Collaborated cross-functionally with product and engineering teams; presented final solution and outcomes to senior leadership, demonstrating both technical and communication skills.

## TECHNICAL SKILLS AND INTERESTS

**Languages**: C/C++, Python, MATLAB, HTML+CSS
**Libraries** : Pandas, numpy, Simpy
**Web Dev Tools**: VScode, n8n, Git, Github
**Frameworks**: CrewAI, LangChain, Looker Studio
**Databases**:Relational Database(mySql), PL/SQL
**Design Tools**: Figma, Canva
**Relevent Coursework**: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Design and Analysis of Algorithm.
**Areas of Interest**: Artificial Intelligence, Data Science,Data Processing and Analysis, Machine Learning, Generative AI
**Soft Skills**: Collaboration, Communication, Problem Solving, Self-learning, Presentation, Adaptability

## POSITIONS OF RESPONSIBILITY

- **Member – Organising Committee, Procurement & Events Committee** — *Feb – Apr 2023*
  *Le Fiestus – Annual Cultural Fest* — JUIT, Himachal Pradesh

  – Actively contributed to planning and execution of multiple successful events, including Le Fiestus, the college's flagship cultural fest.
  – Managed procurement of materials and coordinated logistics to ensure smooth and timely event operations.
  – Collaborated with vendors and peers to handle on-ground execution, resulting in high student engagement and successful delivery.