

# ANAY SINHAL

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Degree	Majors	Institute	Year	CPI/%
B.Tech	CSE	JKLU, Jaipur	2021-25	8.74
B.Tech (Sem Exchange)	CSE	IIT Kanpur	2024 (Sem VI)	
B.Tech (Visiting Student)	CSE	IIT Gandhinagar	2022 (Sem III)	
Intermediate	CBSE	Vidya Niketan, Bhopal	2021	83.8
Matriculation	CBSE	SPS, SN, Bhopal	2019	95.0

## SUMMARY

AI/ML enthusiast and skilled Full-Stack Developer with a solid computer science background, specializing in innovative solutions and UI/UX design. Adept at simplifying complex problems into actionable insights.

## PROFESSIONAL EXPERIENCE

**Research Intern** | IIT Jammu (Remote) Dec 2023 - Jan 2024

- Led stress prediction research with wearable sensors, analyzing over 11.5M data points using Python and sci-learn, achieving 99% accuracy.
- Designed ML algorithms for stress detection, enhancing healthcare insights through actionable data analysis.

**Software Development Intern** | Dexpert Systems Pvt Ltd, Pune (Onsite) Jun - Jul 2023

- Contributed to 5 software projects using ReactJS, Spring Boot, Laravel and JSP, improving project delivery.
- Developed application integrating Zoho CRM, boosting customer satisfaction.
- Streamlined client communication, elevating team efficiency through requirement gathering and feedback implementation.

## TECHNICAL SKILLS

<b>Programming</b>	C, C++, Python, Java, JavaScript, SQL, PHP
<b>Development</b>	CSS, Bootstrap, NodeJS, ReactJS, Flask, Django, Flutter, Laravel, Spring Boot
<b>Design</b>	Adobe XD, Figma, Photoshop, Wordpress
<b>Tools</b>	Git, GitHub, MySQL, Android Studio, Unreal Engine 5, Blender, Zoho Creator

## PROJECTS

### Development

**Personal Portfolio** | ReactJS, NodeJS, EmailJS, Hashnode API Aug 2023

*Self*

[Website](#)

- Integrated Hashnode API to dynamically fetch and display my Blogs.
- Implemented EmailJS for creating an interactive and dynamic Contact form.

**IoT-based Health Monitoring System** | Arduino, NodeMCU, Blynk App Oct - Nov 2023

*JKLU*

[Github](#)

- Engineered an IoT solution with NodeMCU ESP8266 and MAX30100 for health monitoring.
- Enabled real-time heart rate and SpO2 tracking on Blynk app, showcasing IoT application development.

### Machine Learning

**Stress Prediction using Wearable Dataset** | Python, scikit-learn, imbalanced-learn Dec 2023 - Jan 2024

*IIT Jammu*

[Github](#)

- Enhanced data reliability through feature engineering and data imbalance with SMOTE.
- Analyzed physiological data with ML algorithms (RF, XGB, MLP, Stacking), enhancing accuracy.

## KEY COURSES UNDERTAKEN

### Mathematics and Statistics

- Calculus, Computational Data Analysis, Computational Engineering Analysis.

### Computer Science

- Data Structures and Algorithms, Operating Systems, Computer Networks, Database Systems.

### Additional

- Philosophy, Competitiveness and Ethical Leadership, Integrating Design Technology and Business.

## POSITIONS OF RESPONSIBILITY

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### **Student Placement Coordinator**

Aug - Nov 2023

*JKLU Placement Cell*

### **Core Coordinator - Tech**

Aug - Sept 2023

*JKLU Techfest*

## ACHIEVEMENTS

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- Secured Leaderboard Position in Astra DB Build-a-thon in May 2022.
- Runner Up in National Startup Day Exhibition by AIC-JKLU in Jan 2023.
- Selected for Semester Exchange Programs at IIT Kanpur and IIT Gandhinagar.

## CERTIFICATIONS

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Differential Equations for Engineers

Coursera

Linear Regression with NumPy and Python

Coursera

Master C Programming with Data Structures

GeeksforGeeks

AWS Cloud Technical Essentials

Amazon Web Services

Foundations of User Experience (UX) Design

Google