ANAY SINHAL

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Degree	University/Board	Year	CPI/%
B.Tech (CSE) Sem VI	IIT Kanpur	2024	
B.Tech (CSE) Sem IV-V	JKLU Jaipur	2023	8.74
B.Tech (CSE) Sem III	IIT Gandhinagar	2022	
B.Tech (CSE) Sem I-II	JKLU Jaipur	2021-22	8.39
Class XII	CBSE	2021	83.8
Class X	CBSE	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 | Indian Institute of Technology (IIT) Jammu — Dec 2023 - Jan 2024

- Led stress prediction research under Dr. Subhasis Bhattacharjee with wearable dataset, analyzing over 11.5M data points using Python sci-learn, achieving high accuracy.
- Designed ML algorithms for stress detection, enhancing healthcare insights through actionable data analysis.

Software Development Intern | Dexpert Systems Pvt Ltd, Pune — 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, and elevated efficiency through requirement gathering and feedback.

TECHNICAL SKILLS

Programming	C, C++, Python, Java, JavaScript, SQL, PHP.
Development	CSS3, Node.js, ReactJS, Django, Laravel, Spring Boot, Flutter, React Native.
ML/DL	Scikit-learn, TensorFlow, Keras, Feature Engineering, Data Modeling.
Data Management	MySQL, PostgreSQL, MongoDB, Data Analysis, Visual Analytics.
Tools	Git, GitHub, Docker, Android Studio, Unreal Engine 5, Blender, Zoho Creator.
Design	Adobe XD, Figma, Photoshop, Wordpress.

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.

Substance Use Disorder Treatment | Python, scikit-learn — Oct - Nov 2023
JKLU — Github

- Analyzed data to identify stress patterns, enhancing predictive accuracy for relapse incidents.
- Designed real-time monitoring dashboards to facilitate communication between patients and healthcare providers.

Key Courses Undertaken

Mathematics and Statistics
- Engineering Calculus, Computational Data Analysis, Computational Engineering Analysis, Machine Learning, Big Data Visual Analytics.

Computer Science
- Data Structures & Algorithms, Database Systems, Theory of Computation, Operating Systems, Computer Networks.

Additional
- Brand Management (MBA), Strategic Marketing (MBA), Philosophy, Competitiveness and Ethical Leadership, Integrating Design, Technology and Business, IoT and Automation.

Positions of Responsibility

Student Placement Coordinator _Aug - Nov 2023_
JKLU Placement Cell

Core Coordinator - Tech _Aug - Sept 2023_
JKLU Techfest

Achievements

- Featured on the JKLU Honors List for Meritorious Academic Performance.
- Selected for Semester Exchange Programs at IIT Kanpur and IIT Gandhinagar.
- 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.

Certifications

Differential Equations for Engineers	Coursera
Master C Programming with Data Structures	GeeksforGeeks
AWS Cloud Technical Essentials	Amazon Web Services
Foundations of User Experience (UX) Design	Google
Virtual Reality Specialization	Coursera