

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

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|-----------------|--|
| 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

- Privacy and Security in Online Social Media, 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 ---

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|--|---------------------|
| 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 |
| <u>All Certifications</u> | |