

SACHIN JHA

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EDUCATION

- Jss Academy Of Technical Education Noida** December 2021 - August 2025
Bachelor of Technology
- Kendriya Vidyalaya (Ghaziabad)** May 2020 - August 2021
Class XII (CBSE)
- Kendriya Vidyalaya (Ghaziabad)** July 2018 - May 2019
Class X (CBSE)

EXPERIENCE

App Developer Internship

Bharat Intern

October 2023 - November 2023

- Developed multifunctional applications—comprising a Calculator, Quiz, and News App demonstrating proficiency in **Flutter and Dart**.
- Actively contributed to the development lifecycle, showcasing **hands-on expertise in mobile app development**. This experience further reinforced skills as an **App Developer Intern**, attesting to a comprehensive understanding of app creation and functionality.

Research and Development Intern

Ellipsol Systems Private Limited

July 2023 - September 2023

- Innovatively engineered **Arduino code** for a smart water bottle, showcasing **expertise in IoT programming** and ensuring precise water intake tracking.
- Collaborated cross-functionally, conducted **thorough testing**, and delivered a **reliable, user-friendly solution**, highlighting proficiency in **Arduino programming for IoT innovation**.
- This approach resulted in the successful implementation of an efficient and accurate water intake tracking system, promoting **user satisfaction and health-conscious habits**.

PROJECTS

Bank Management System 🗄 | Python and SQL

- Developed an interactive application using **Python and SQL**, providing a user-friendly interface for efficient management of **customer accounts and transactions**.
- Implemented robust features enabling seamless handling of **account information, transaction history**, and user interactions. applied proficiency in **Python** for the **frontend** and **leveraged SQL for backend database management**.

Churn-Prediction 📉 | Linear Regression, K Neighbors and Random Forest

- Developed and implemented predictive models, including **Linear Regression, K Neighbors, and Random Forest**, to predict customer churn in a banking environment based on demographics, bank relationships, and transactional data.
- Employed **ensemble techniques** to enhance model performance, effectively **combining** the strengths of **Linear Regression, K Neighbors, and Random Forest models** for accurate **churn predictions** in savings accounts.

Railway Track Monitoring And Accident Avoiding System 🚂 | Arduino and C language

- Implemented a Railway Track Monitoring and Accident Avoidance System using **Arduino and C language**, enhancing safety measures in **rural areas**.
- Integrated **proximity sensors** to detect obstacles, enabling real-time monitoring of **railway tracks** and proactively preventing accidents.

RELEVANT COURSEWORK

- Data Structures
- Database Management
- Algorithms Analysis
- OOPS
- Software Engineering
- Machine Learning

TECHNICAL SKILLS

- Programming:** C, C++, Python, Java, JavaScript, SQL, Kotlin, Dart
- Web Development:** HTML5, CSS3, React, Angular, Node.js, Express.js
- Databases:** MySQL, MongoDB, Firebase
- Frameworks:** NET Core, Django, Flask
- Version Control:** Git, GitHub, Bitbucket

LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

Technical Head Position **MEMBERSHIP**

IEEE JSSATEN Student Branch

- Actively contributed as an **IEEE Student Member**, engaging in continuous learning and collaborative initiatives within the **IEEE society**.
- Demonstrated leadership as the **IEEE Wie (Women in Engineering) Technical Head**, successfully managing and orchestrating technical events in the college.

ACHIEVEMENTS

- Solved **400+** problems on **Data Structures & Algorithms** on different coding platforms.
- Achieved a **5-star rating** in **HackerRank** for proficiency in **Python, C, and C++**
- Secured **Global Rank: 4029 | National Rank: 2311** in **IEEE Xtreme 17.0** **CERTIFICATE**
- Selected participant in the **Online Mode Hackathon** at **Hack the Mountain 3.0** **CERTIFICATE**
- Selected for a **one-week offline Mode Hackathon** at **IIT Delhi** for **Digital India ALT Hack'23** **CERTIFICATE**
- Selected participant in the **3-day offline Mode Hackathon** at **IIT Kanpur E Summit** **CERTIFICATE**
- Selected for a **one-month** course on **Remote Sensing and Digital Image Analysis** by **ISRO** **CERTIFICATE**
- Achieved a score of **80.00%** in the **Spoken Tutorial Python Course** by **IIT Bombay** **CERTIFICATE**

CERTIFICATIONS

- Completed the **Google Cloud Fundamentals** course by **Google** **CERTIFICATE**
- Completed **Career Essentials in Generative AI** by **Microsoft and LinkedIn** **CERTIFICATE**
- Completed **Programming with C++ Language**, by **Udemy** **CERTIFICATE**