

# Ritik Tiwari

Pre-Final Year | Computer Science and Engineering | IIT JODHPUR |  
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## EDUCATION

### IIT JODHPUR

BTECH IN COMPUTER SCIENCE AND  
ENGINEERING

GRADE: 8.19 /10

Dec 2021 | Jodhpur, Rajasthan

### SUNBEAM ENGLISH SCHOOL

INTERMEDIATE (12TH)

May 2019 | Varanasi, UP

Grade: 9.5/10

### CENTRAL HINDU BOYS SCHOOL

HIGH SCHOOL (10TH)

May 2017 | Varanasi, UP

Grade: 9.5/10

## SKILLS

### PROGRAMMING

• C • C++ • Python  
• Java • MATLAB • R

### DEVELOPMENT

• Flutter • Django • Git • GitHub •  
Firebase • Node.js • SQL • MongoDB •  
Docker • AWS

### MACHINE LEARNING

• Pandas • Numpy • Sklearn

### DESIGNING

• Figma • Canva

## LINKS

</> Codechef: **Ritikcoder**  
</> Codeforces: **tiwari1234**  
</> GeeksForGeeks: **Ritik**

## COURSEWORK

### UNDERGRADUATE

Introduction to DSA  
Introduction to Machine Learning  
Introduction to Computer Science  
Database & Management Systems  
Embedded Systems & Internet of Things  
Operating Systems  
Probability, Statistics & Stochastic Process  
Design & Analysis of Algorithms

## ACHIEVEMENTS

- Got **A** grade in IML course among 220 students.
- Qualified level 1.2 in **Flipkart Grid 5.0**

### PROMETEO APP | FLUTTER PROJECT | DEVELOPMENT

Oct 2023 - Jan 2024 |  GitHub | Google Play Store

- Developed and deployed Prometeo 24, a college fest app with **100+** downloads, featuring **Google authentication**, **REST API** event integration, and a secure **payment gateway**.
- Enhanced user adoption and garnered positive feedback through intuitive UI design and seamless registration and payment processes, while concurrently reducing RAM load by **30%**.
- Tech Stack: **Flutter**, **Django**, **Firebase**, and **PostgreSQL**.

### DIGITALISE DESIGN CREDIT PROCESS | BACKEND PROJECT | DEVELOPMENT

Feb 2024 - April 2024 |  GitHub

- Developed and deployed a Node.js Backend on **AWS EC2** with MongoDB integration, utilizing **CI/CD** pipelines for seamless updates and **Docker** for containerization.
- Established file storage with **Multer**, fortified security through password hashing with **Bcrypt**, and utilized environment variables for sensitive data protection. This project notably accelerated the pace of design credit allocations by **80%-90%**.
- Tech Stack: **Node.js**, **MongoDb**, **AWS**, and **Docker**.

### NEWS APPLICATION | ANDROID PROJECT | DEVELOPMENT

May 2023 - Jun 2023 |  GitHub

- Developed a news application showcasing real-time content sourced from **APIs**, facilitating access to over **100+** diverse news categories.
- Proficient in integrating APIs via **Retrofit** for efficient network request handling and data retrieval, ensuring a seamless user experience in parsing and displaying relevant information.
- Tech Stack: **Java**, **Retrofit** and **MVVM architecture**.

### STUDENTS IITJ APP | ANDROID PROJECT | DEVELOPMENT

Mar 2023 - May 2023 |  GitHub

- Accomplished in integrating **Firebase** as the backend (auth, DB, storage) for "Students IITJ" app, showcasing cloud-based solution expertise.
- Implemented seamless **Data Synchronization** between admin and user apps using **Firebase real-time database**.
- Skilled in designing content management apps with **intuitive interfaces**, user authentication, secure data handling using Firebase.
- Developed secure **Local file/image** upload to Firebase backend, utilizing file pickers, compression, & **Firebase Storage APIs**.
- Tech Stack: **Firebase**, **Java**, and **Picasso**.

## POSITIONS OF RESPONSIBILITY

Sept 2023 - Jan 2024	<b>Prometeo</b>	Head App Development
Feb. 2023 - Mar. 2023	<b>Intellia</b>	Head, Technical Events Team
Dec. 2022 - Feb. 2023	<b>Ignus</b>	Assistant Head, Pronite Team
Aug. 2022 - Nov. 2022	<b>Varchas</b>	Assistant Head, Public Relations Team