

# Vinayak Raj Ranjan

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Pre-Final Year || Material Science

IIT Jodhpur 📞 9341275036 @ ranjan.11@iitj.ac.in

## Education

### IIT JODHPUR

#### MATERIALS SCIENCE

📅 May 2025 📍 Jodhpur, Rajasthan

- Bachelor of Technology
- Through Qualifying JEE Advanced
- CGPA: 6.97 (Current)

### KENDRIYA VIDYALAYA

#### SENIOR SECONDARY EDUCATION

📅 May 2021 📍 Patna, Bihar

Graduated with Distinction

### KENDRIYA VIDYALAYA

#### SECONDARY EDUCATION

📅 May 2021 📍 Patna, Bihar

Graduated with Distinction

## Links

🔗 GitHub **vinayakjass**

🔗 LinkedIn **vinayak raj ranjan**

## Skills

### PROGRAMMING

Golang • JavaScript/TypeScript • HTML/CSS • React • Angular • Node.js • Express.js • MongoDB • CI/CD

### MISCELLANEOUS

• Docker • Kubernetes • Git • GitHub • Firebase • AWS Cloud

## Coursework

- Data Structures and Algorithms
- Introduction to Computer Science
- Introduction to Machine Learning
- Signal and System

## PORs

### VARCHAS (SPORTS FEST)

Assistant Head In Event Management

### ROBOTICS SOCIETY

Core Team Member OF Robotics Club

Team As a Web Developer

### YOUTH CONCLAVE

Core Team Member In Youth

Conclave (INAE)

## Experience

### CODE FOR GOVTECH (C4GT)

#### OPEN SOURCE

📅 July 2023

📍 India

Link **Milestone**

🔗 Source Code **<https://github.com/sunbird-cb/sbtranslate>**

- Worked on population scale impact projects and built meaningful solutions using technology.
- Project: Integrate the Content translation UI into iGOT Karamayogi
- Created Angular Library for automated content generation and translation and integrated it with the Portal

## Recent Projects

### EMPLOYEE MANAGEMENT SYSTEM

🔗 Source Code **Employee Management System**

- Developed a web-based Employee Management System using Golang, Fiber, and MongoDB
- Implemented CRUD operations, RESTful API endpoints, and Dockerized the application for easy deployment
- Designed backend logic, integrated MongoDB, configured Dockerfile, Kubernetes manifests, and Helm charts

### CI/CD INTEGRATION WITH JENKINS

🔗 Source Code **Gateway CI/CD Integrate**

- Implemented CI/CD pipeline using Jenkins on AWS EC2 instances
- Automated CI/CD pipeline for build, test, and deployment
- Streamlined software delivery, reducing manual interventions
- Skills: CI/CD automation, Jenkins configuration, Docker containerization, AWS EC2 setup and management

### HOSTEL MANAGEMENT

🔗 Source Code **GitHub Repository**

- Developed a comprehensive Hostel Management System using React.js, React Bootstrap, Express, Node.js, and MongoDB
- Implemented key features for user authentication, student management, attendance tracking, and administrative control
- Implemented user roles and privileges to distinguish between regular users and administrators

### V-STAR (OTT PLATFORM)

#### REACT.JS PROJECT

Deploy **<https://v-star.vercel.app/>**

🔗 Source Code **GitHub Repository**

- Developed a secure movie streaming website with user authentication features
- Employed Google Firebase as the database for seamless data storage and authentication
- Frontend: React.js, tailwindcss; Database: Google Firebase