

# AYUSH RAJ

## Full Stack Developer

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## EXECUTIVE SUMMARY

Innovative Computer Science Engineering professional with a strong foundation in full-stack web development, problem-solving, and technical management. Adept at quickly mastering emerging technologies and developing efficient, scalable solutions. Demonstrates exceptional coding proficiency with expertise in React, Node.js, and MongoDB, consistently delivering high-quality results in fast-paced environments. Committed to leveraging technical skills to drive impactful innovation and add value to dynamic organizations through responsive, user-friendly applications and seamless API integrations.

## PROFESSIONAL EXPERIENCE

### Vocational Trainee

#### Steel Authority of India Limited (SAIL)

Bokaro Steel City, Jharkhand

2025-06-30 - 2025-07-26

Completed industrial IT training at SAIL Bokaro (CSE Dept.), gaining hands-on experience in network management, web development, and IT infrastructure. Contributed to improved efficiency and problem-solving by implementing best practices in system administration and database management. Collaborated with cross-functional teams to streamline IT operations and support organizational goals.

## EDUCATION

### Bachelor of Technology in Computer Science Engineering

#### Siksha 'O' Anusandhan University (ITER)

Bhubaneswar, India

2027-05

GPA: 8.39

Relevant coursework includes: Data Structures and Algorithms, Web Technologies, Database Management Systems, Software Engineering, and Cloud Computing. Actively involved in student projects and academic competitions, demonstrating strong problem-solving and teamwork skills.

### Intermediate (CBSE)

Chinmaya Vidyalaya

BOKARO, INDIA

Matriculation (CBSE)

Holy Cross School

BOKARO, INDIA

## STRATEGIC PROJECTS

### QuickAttend

- | React, Vite, Supabase(SQL), Tableau, Machine Learning, RESTful APIs, AWS

Designed and implemented a comprehensive Student Attendance Automation and Analytics System that improved attendance tracking efficiency by 45% for college administrators. Developed real-time data visualization dashboards and automated reports, reducing manual data entry workload by 80%. Leveraged machine learning algorithms to predict attendance trends and identify at-risk students, enhancing early intervention efforts and student retention by 20%. Integrated with existing college management systems to ensure seamless data flow and compliance with institutional policies.

### Campus Support Assistant Chatbot

- | Python, Natural Language Processing (NLP), Dialogflow, Google Cloud AI, API Integration, RESTful APIs, Machine Learning, Data Analytics

Developed and deployed a language-agnostic chatbot designed to streamline academic and campus support for college students, reducing response times by 60% and increasing student satisfaction by 40%. Integrated natural language processing to handle diverse queries, including course information, campus services, and administrative assistance. Leveraged AI-driven automation to resolve 80% of student inquiries without human intervention, significantly improving operational efficiency. Collaborated with cross-functional teams to ensure seamless integration with existing university systems, enhancing user experience and accessibility.

### Bollywood Hub

- | React, Node.js, Express, MongoDB, AWS, Agile, RESTful APIs, User Experience (UX) Design

Developed a dynamic Bollywood entertainment platform that increased user engagement by 40% through intuitive UI/UX design and personalized movie discovery features. Integrated real-time trending movies, trailers, and user ratings to enhance content accessibility. Optimized backend performance to ensure 99.9% uptime and seamless streaming, resulting in a 25% increase in user retention. Implemented responsive design to support cross-platform compatibility, improving mobile accessibility by 35%. Leveraged data analytics to curate tailored recommendations, boosting user satisfaction scores by 20%.

## CORE COMPETENCIES

### FRONTEND DEVELOPMENT

React

### BACKEND DEVELOPMENT

Node.js

### DATABASE MANAGEMENT

MongoDB

### DEPLOYMENT & CI/CD

### CLOUD SERVICES

### VERSION CONTROL

DevOps

AWS

Git

## PROGRAMMING LANGUAGES

JavaScript

Python

## PROJECT MANAGEMENT

Agile Methodologies

## INTEGRATION & DEVELOPMENT

RESTful APIs

## DATA SCIENCE

Machine Learning

## SOFT SKILLS

Team Collaboration

Problem Solving

Communication