

# Ayush Ojha

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## EDUCATION

- **RV College of Engineering** Bangalore, India  
December 2022 - June 2026  
*B.E. Computer Science & Engineering (Data Science); GPA: 8.65*  
*Courses: Object Oriented Programming, Introduction to C & C++, Data Structures & Algorithms, Operating Systems, AI & ML, Computer Networks, DBMS, Natural Language Processing, Big Data Systems, Data Analysis & Visualization, Software Engineering*

## SKILLS SUMMARY

- **Languages:** JAVA, C, C++, Python, JavaScript, Dart, SQL
- **Frameworks:** Flutter, Spring Boot, React, NLTK, Flask, Hadoop, MongoDB
- **Tools & Technologies:** GIT, Firebase, MySQL, RAG, Linux, Fine Tuning, Feature Extraction
- **Soft Skills:** Leadership, Event Management, Writing

## EXPERIENCE

- **Ernst & Young** May 2025 - Present  
*Project Intern : Backend Developer*
  - **Summary:** Developing the backend for an enterprise-grade Business Resilience Tool as part of the EY Catalyst Program, using Flask, PostgreSQL, and AWS.

## PROJECTS

- **Human Activity Recognition using ConvLSTM & LRCN** Jan 2025 – Apr 2025
  - Spearheading research on Human Activity Recognition using ConvLSTM and LRCN deep learning models on the UCF50 dataset (50 action categories, 13,320 videos).
  - Attained 91.0% accuracy through strategic temporal-spatial feature extraction and targeted hyperparameter tuning.
- **Seminar Hall Management System using Spring Boot & React** Feb 2025 – Mar 2025
  - Architected a Spring Boot application with role-based access control managing 4 seminar halls and 100+ monthly bookings.
  - Integrated Firebase authentication with MySQL database, delivering 99.9% system uptime.
  - Crafted responsive React frontend featuring interactive calendar interface and deployed via Netlify.
- **Business Impact Analysis System** Jan 2025 – Feb 2025
  - Constructed a Flask-based BIA platform enabling comprehensive assessment of 100+ critical business processes across departments.
  - Engineered 15+ normalized SQLAlchemy models managing 10+ core entities for enterprise-scale risk assessment and dependency tracking.
- **Flutter Movie Reviewer** Oct 2024 – Nov 2024
  - Programmed a Flutter application integrating Firebase Firestore to manage 1000+ user reviews via TVmaze API.
  - Designed 4 specialized screens (Splash, Home, Search, Details) optimizing user navigation and engagement.
  - Implemented real-time 5-star rating system with Stream-based data loading for instant feedback.

## CERTIFICATIONS & ACHIEVEMENTS

- C++ Programming:From Beginner to Beyond, by Udemy — [Link](#)
- Edge Computing Course, by IIT Kanpur, NPTEL (score: 95%) — [Link](#)
- Over 400 questions solved on Coding Platforms like LeetCode, Codeforces, and Codechef.— [LeetCode Link](#)
- Have been offered internship by IISc Bengaluru as Backend Developer.

## VOLUNTEER EXPERIENCE

- **Founder & Treasurer, ACM RVCE** Bangalore, India  
Jan 2024 - Apr 2025  
*Organized Seminars & Hackathons, Event Head of ACM India Summit '24*
- **Member & Organizer, Rotaract RVCE** Bangalore, India  
Jan 2023 - Aug 2024  
*Organized events including Trekking & Blood Donation Camps*