

Aashu Kumar

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Education

Birla Institute of Technology and Science, Pilani
B.Sc. in Computer Science

Aug 2024 – Aug 2027
CGPA: 8.49/10

Technical Skills

Programming: Python, Java, JavaScript
Frameworks: React, Spring Boot, Express.js
Data & ML: Pandas, NumPy, Scikit-learn
Databases: MySQL, MongoDB
Tools: Git, GitHub, Linux, VS Code, Postman

Experience

AI Trainer — Outlier

Nov 2024 – Jan 2025

- Evaluated and improved AI-generated code and technical responses.
- Provided structured feedback to enhance reasoning and clarity.
- Contributed to prompt optimization and model refinement.

Projects

Scory — Real-Time Sports Scoring Platform

[GitHub](#)

- Built real-time scoring platform using WebSockets, React, Node.js, and MongoDB.
- Implemented JWT authentication, role-based access, and secure sessions.
- Deployed on Vercel and Render with low-latency updates.

Multi-Threaded HTTP Server

[GitHub](#)

- Developed concurrent HTTP/1.1 server using Python and thread pooling.
- Implemented persistent connections and back-pressure mechanisms.
- Added secure file serving, logging, and streaming.

E-Commerce Backend (Spring Boot)

[GitHub](#)

- Built REST APIs for product, cart, order, and user management.
- Integrated MySQL with JPA/Hibernate and JWT authentication.
- Added validation and centralized exception handling.

Movie Recommender System

[GitHub](#)

- Developed content-based recommender using Python and Scikit-learn.
- Implemented TF-IDF and cosine similarity for personalization.
- Built preprocessing and evaluation pipelines.

Achievements

- Solved 400+ DSA problems on LeetCode.
- Participated in Buildverse Hackathon.
- Open-source contributor during Hacktoberfest.

Certifications

- Python for Everybody — University of Michigan

Languages

English (Fluent) Hindi (Native) Maithili (Native)