

# Om Aryan

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## Career Objective

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Build expertise in software development, gain hands-on experience through projects and collaborations, and refine my vision to create scalable, innovative solutions that drive impact and shape my career.

## Experience

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Indian Institute of Technology, Bombay | Research Intern

August 2024 – January 2025

- Engineered a backend system, with user registration and OTP authentication via SMTP.
- Enhanced ML model inference speed by **20%** through utilization of a Thread Pool.
- Integrated dynamic report PDF generation and LDAP authentication.
- Technologies Used: **Python, Django, PyTorch, Sqlite, Docker, ReportLab**

## Education

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Shri Ramdeobaba College of Engineering and Management, Nagpur

2022 - Present

BTech | Computer Science Engineering (Data Science) | **8.97** CGPA

## Skills

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- Programming Languages**: Java, Python, C
- Frameworks**: Spring Boot, Django, LangChain
- Data Science Tools**: Tensorflow, Scikit-learn, Numpy, Streamlit, Pandas, Matplotlib, PowerBI
- Deployment**: Docker, Amazon Web Services (AWS)
- Database Systems**: MySQL, Oracle, Pinecone, Redis
- Web Development**: HTML/CSS, Javascript, React, SvelteKit, BeautifulSoup
- Version Control System**: Git, Github
- Operating Systems**: Linux, Windows

## Projects

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- Mini-Search Engine** | *Personal Project* [View Project](#)
  - Designed and implemented a full-stack search engine with autocomplete functionality, and featuring a custom web crawler.
  - Technologies Used: **Spring Boot, React, Redis, PostgreSQL, Docker, Jsoup**
- Bio Insight Pro** | *Collaborative Project* [View Project](#)
  - Led a group of **5** in building a web application to analyze medical, primarily focused on backend development, designing and implementing REST endpoints, managing data storage, and leading the construction of the RAG pipeline.
  - Technologies Used: **Django, Pytorch, React, LangChain, Docker**

## Achievements & Relevant Coursework

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- Runner-up**, Patent Fest – **RBUCON'25 (International Conference)**: Awarded for the **Bio Insight Pro**, recognized for innovation in biomedical literature analysis and AI-driven decision support system.
- Generative AI with Large Language Models** | *DeepLearning.AI and Amazon Web Services*