# EDUCATION

AMAN KUMAR

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## Birla Institute of Technology, Mesra

*Computer Science Engineering 2025*

* GPA : 8.05

# SKILLS

**Programming Languages:** Java, Python, JavaScript, PHP

**Web Development :** React, Laravel, Flask, HTML, CSS, TailwindCSS

**App Development** : React-native

**DataBases :** MySQL

# WORK EXPERIENCE

## Kristalball Smart Solutions Private Limited Bangalore

* *Software Developer Intern Jan - March 2025*
* Lead Frontend Refactoring, migrating class based components to functional components for better readability and maintainability.
* Integrated Prophet a Time Series Forecasting model to predict the stock level for each month.
* Performed Advanced SQL Optimization for an API, reducing query Execution time and improving performance by 61.53%.

## Vashions AR Online Services Private Limited Remote

*Software Developer Intern May 2024-August 2024*

* Developed a Virtual Try on Application using OpenCV, Flask, NumPy, Training a custom YOLOv8 model for region detection delivering both image-based and real-time try on experience.
* Enhanced real-time jewellery try-on with 95% detection accuracy and 90% flicker reduction.Converted this feature into a web application using Flask, WebRTC, WebSockets and Mediapipe enabling seamless jewellery switching and real-time rendering.
* Developed an Interactive Tkinter GUI allowing users to upload jewellery images and engage in live- preview sessions achieving increase in user engagement.

# PROJECTS

## Military Base Management Application

*React-native, Larvavel,MariaDB*

* Developed a Military Inventory Management System, ensuring efficient storage and retrieval using a Robust database schema.
* Integrated role-based access control and Authentication enhancing security and ensuring restricted access to sensitive data.

## Literary Club College Website

*React, Tailwind, Flask, SQLite*

* A Blog Application where People can Create, Update and Delete Blogs.
* Ensured Data persistence and User Management with SQLite and JWT Authentication.

# ACHIEVEMENTS

* Solved more than 300 questions on [LeetCode](https://leetcode.com/u/amankun669/)
* 5\* on HackerRank[JAVA].