

# Amritanshu Baranwal

✉ amritanshubaranwal09@gmail.com    ☎ 8574666969    📍 Greater Noida, U.P.    🏆 CodeChef    🚩 LeetCode  
🏠 HackerRank    🐙 GitHub

## 🎓 EDUCATION

Dr. APJ Abdul Kalam Technical University, B.Tech 8.61 CGPA	2019 – 2023 Lucknow
Shibli National Inter College, XII 83.2 %	2016 – 2017 Azamgarh
P. R. U. M. V., X 85.17 %	2014 – 2015 Mau

## 💼 INTERNSHIPS

LTIMindtree	02/2023 – 05/2023
<ul style="list-style-type: none"><li>• Worked as a Java developer on a confidential project, developing and maintaining Java-based applications, collaborating with an engineering team to implement ReactJS features.</li><li>• Developed effective test cases resulting in a significant boost in code coverage from 55% to 85%.</li><li>• Designed and optimized database queries, ensuring data integrity, and consistently delivered on-time, within-budget projects, while acquiring skills in software development, teamwork, and deadline management.</li></ul>	

## 🧠 SKILLS

**Data Structure and Algorithms** (In C++ and Java) | **Database** (MySQL, MongoDB)

**Web Development** (HTML, CSS, JavaScript, NodeJS, Express, EJS, ReactJS, Git, Github)

**Coursework** (Object Oriented Programming, Database Management System, Computer Network, Operating System)

**Operating System** (Windows | Linux | MacOS)

## 📁 PROJECTS

### Pixellayer [🔗](#)

- Innovatively developed a cost-effective live-streaming CCTV panorama tool, resolving blind spot issues in security cameras, achieving cinematic effects, and applying technology to virtual reality, surveillance, video conferencing, and live broadcasting.
- Researched and authored forthcoming **IEEE** [🔗](#) conference paper on AI-based image and video stitching and ensured smooth viewing experience without visible seams or disruptions.
- Included frames per second feature to capture live object movement.

### Password Manager GUI [🔗](#)

- Developed Python GUI for secure login information storage on personal computers and eliminated password worries by providing a secure storage solution.
- Implemented encryption-decryption using Python cryptography library.
- Designed intuitive GUI for efficient login data management and streamlined login credential management with user-centric software.

### Movies Info [🔗](#)

- Designed and developed a dynamic web portal using JavaScript, Node.js, Express.js, and EJS.
- Integrated the OMDb API, enabling users to access comprehensive information about movies and series through a straightforward search. Deployed on Render for universal accessibility.

## ✍️ PUBLICATIONS

### Pixellayer- A novel approach for stitching digital Images and Videos [🔗](#)

Successfully authored and published a research paper focused on the innovative application of real-time CCTV footage stitching. Explored novel techniques to seamlessly integrate and enhance the visual continuity of video camera feeds, contributing to advancements in video surveillance technology.

## 📜 CERTIFICATES

Hackerrank SQL (Intermediate) Certificate [🔗](#) , Machine Learning Training [🔗](#) , IEEE International Conference - CISES [🔗](#) , Tathastu Android Bootcamp [🔗](#) , NPTEL - Enhancing Soft Skills and Personality [🔗](#) , 30 Days of Google Cloud [🔗](#)