

Amritanshu Baranwal

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📊 HackerRank 🐙 GitHub 🖱 Portfolio

🎓 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

💼 INTERSHIPS

LTIMindtree <ul style="list-style-type: none">• Worked as a Java developer on a confidential project, developing and maintaining Java-based applications, collaborating with an engineering team to implement ReactJS features.• Developed effective test cases resulting in a significant boost in code coverage from 55% to 85%.• 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.	02/2023 – 05/2023
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🧠 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 📄