

Amritanshu Baranwal

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🏆 HackerRank 🏆 GitHub 🏆 Portfolio

🧠 Career Objective

Aspiring software engineering undergraduate seeking a dynamic, knowledge-expanding, and fun work environment to gain real-world insights in a professional setting.

📁 Internships

LTIMindtree

02/2023 – 05/2023

- 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.

✍ 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.

🧠 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.

🎓 Education

Dr. APJ Abdul Kalam Technical University, Lucknow
B.Tech

2019 – 2023 | 8.61 CGPA

Shibli National Inter College, Azamgarh
XII

2016 – 2017 | 83.2 %

P. R. U. M. V., Mau
X

2014 – 2015 | 85.17 %

📄 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 ✍