

Amritanshu Baranwal

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🐙 GitHub 📁 Portfolio

🧠 CAREER OBJECTIVE

Software engineering undergraduate seeking a challenging and dynamic work environment to gain valuable real-world experience in a professional setting.

📁 INTERNSHIPS

LTIMindtree

02/2023 – 05/2023

- Collaborated as a Java Developer on a proprietary project, responsible for the development and maintenance of Java-based applications. Worked closely with the engineering team to integrate ReactJS features.
- Implemented robust test cases that substantially increased code coverage from 55% to 85%, ensuring the reliability and stability of Java-based applications.
- Consistently delivered projects on time and within budget, while acquiring valuable skills in software development, teamwork, and deadline management.

✍️ PUBLICATIONS

Pixellayer- A novel approach for stitching digital Images and Videos 📄

Authored and published a research paper that delved into the innovative application of real-time CCTV footage stitching, contributing to advancements in video surveillance technology. Developed a quick novel method, eliminating the need for wide-angle cameras and enhancing cost efficiency. Enabled real-time object movement capture, eliminating blind spots, and achieving cinematic effects. The research envisions broader applications for dynamic recognition of environmental features in real-time settings, driving innovation in the field.

🧠 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 created a cost-effective live-streaming CCTV panorama tool, addressing security camera blind spots and providing cinematic quality. Applied technology for virtual reality, surveillance, video conferencing, and live broadcasting.
- Conducted research and authored an IEEE 📄 conference paper on AI-based image and video stitching, ensuring seamless viewing experiences without visible seams or disruptions. Implemented real-time frame per second (FPS) monitoring for tracking object movement.

Password Manager GUI 📄

- Developed a Python-based GUI for secure storage of login information on personal computers, offering a reliable solution for password management. Implemented encryption-decryption using the Python cryptography library.
- Designed an intuitive and user-centric GUI for efficient login data management, enhancing login credential security and management.

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 %

📄 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 📄