RAHUL PATHAK

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SUMMARY

Computer Science student skilled in full-stack and mobile app development using React Native, Next.js, and Express.js. Proficient in JavaScript, TypeScript, and Python with experience in projects like LinkedIn Clone, LMS, and Lung Tumor Segmentation. Strong in problem-solving, analytical thinking, and building scalable applications.

EXPERIENCE

Sky IT Solution — Kolkata, India
Android Developer (React Native) — *Jan. 2025 – Present*
- Developed and maintained cross-platform mobile applications for Android using React Native, JavaScript, and TypeScript.
- Implemented app features such as authentication, navigation, API integration, and real-time updates.
- Integrated REST APIs and collaborated with backend teams to ensure smooth communication between client and server.
- Optimized application performance and enhanced UI/UX for improved responsiveness.
- Used libraries such as React Navigation, Redux, Axios, and AsyncStorage to manage app state and data efficiently.

CAD Institute of Technology — Durgapur, India
Frontend Developer — *Sept. 2024 – June 2025*
- Developed responsive and interactive user interfaces using React.js, HTML, CSS, and JavaScript.
- Enhanced page performance, optimized components, and ensured cross-browser compatibility.
- Implemented reusable components and maintained code consistency across multiple projects.
- Collaborated in a team environment using Git and GitHub for version control.

TECHNICAL SKILLS

Programming Languages: C, Java, JavaScript, TypeScript, Python
Mobile Development: React Native, Expo, Android Studio
Frontend: HTML, CSS, Bootstrap, Flexbox, React, Next.js, Tailwind CSS
Backend: Node.js, Express.js
Database: SQL, MySQL, MongoDB
Tools: Visual Studio Code, Jupyter Notebook, IntelliJ IDEA
Version Control: Git, GitHub

PROJECTS

LinkedIn Clone | *Next.js, Express.js, MongoDB*
- Developed a LinkedIn clone with user authentication, profile management, posts, likes, comments, and responsive UI.

Learning Management System | *React, MongoDB, Express*
- Built an LMS enabling course access, progress tracking, assessments, and mentor communication with scalability and security.

Lung Tumor Segmentation | *OpenCV, U-Net Model, PyTorch*
- Developed a deep learning model for automated detection and segmentation of lung tumors from CT scans using a custom U-Net architecture.

EDUCATION

Bachelor's degree - B.Tech, Computer Science and Engineering   Rajbandh, West Bengal
Durgapur Institute of Advanced Technology and Management   *Aug. 2022 – June 2025*
Diploma   Rajbandh, West Bengal
Durgapur Institute of Polytechnic   *Aug. 2019 – July 2022*
Higher Secondary Examination   Belut, Bankura, West Bengal
Belut High School (H.S)   *Aug. 2017 – July 2019*

CERTIFICATIONS

MERN Stack Development: Apna College
Java Full Stack: Pw Skills
Excel for Beginners: Great Learning