

# Pratik Kumar Rout

## Software Engineer

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## PROFESSIONAL SUMMARY

Software Engineer (MCA) highly proficient in Java and modern web technologies (React/Next.js). Full-stack experience, hands-on experience in responsive UI, scalable backend logic.

## WORK EXPERIENCE

### BPUT COMPUTER CLASSES, SORO - Lab Assistant :

Assisted in managing computer lab operations and supported students in learning core web development and design concepts. Conducted hands-on sessions, maintained lab systems, and mentored learners while promoting accessibility, clean code, and creative problem-solving.

## PROJECTS

### • Exam Questions Prediction Model Using Machine Learning:

Efficient Exam Question Prediction via ML: Developed a machine learning model, utilising a MySQL database for training data and Visual Studio for development, to predict upcoming exam questions.

### • Krishna-Katha:

Immersive Storytelling Experience Engineered a modern, responsive web application dedicated to spiritual literature using React and Next.js. The interface features a distraction-free reading environment with optimised content loading. Leveraged Firebase Cloud Firestore to architect a scalable backend, enabling instant content retrieval and dynamic categorisation of stories.

## EDUCATION

Aryan Institution of Engineering & Technology, Bhubaneswar— MCA (2022-2024) cgpa- 8.6

H.K. Mahatab College, Kupari, Balasore— B. Sc. (Physics) (2017-2020) cgpa- 7.2

Talanagar College, Talanagar— Inter C.H.S.E. Odisha (2015-2017) cgpa- 5.7

Biswambhar Nath High School, Talanagar— Matric B.S.E. Odisha (2006-2015) cgpa- 8.2

## SKILLS

- Programming languages: Java, Dart, Python
- Web development: React, HTML, CSS, JavaScript
- Framework: Flutter, NodeJS

- Database: MySQL, Firebase
- Tools: VS Code, AI tools, Postman
- Version control: Git & Git hub

## CERTIFICATIONS

- Fundamentals of Artificial Intelligence by NPTEL
- Introduction to Internet of Things by NPTEL
- Cloud Computing by NPTEL
- Data Science with Python, SkillUp by Simplilearn