

# Roni Bhakta

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## EXPERIENCE

### Academic Research | A.G Patil Polytechnic institute, Solapur — Team leader

DECEMBER 2021 - APRIL 2022

I have experience in statistical analysis and algorithm design for collecting student data and predicting academic scores. Additionally, I have developed web software with numerous features to enhance the overall functionality. Languages ~ HTML5, CSS 3, JAVASCRIPT, NODE.JS, MYSQL, BOOTSTRAP, EXPRESS.JS  
[Published research paper volume 4 April 2022, Paper no: 113 \(DOI: 10.15680/IJIRCCE.2022.1004113\)](#) (Published on ijrccce impact factor 8.379)

### College Code Club | A.G Patil Polytechnic institute, Solapur — Club President

OCTOBER 2023 - PRESENT

Led a student-exclusive organization, prioritizing collaboration and skill development in coding and technology. Conducted a month-long GIT | GITHUB workshop, emphasizing soft skills, diverse programming languages, and DATA STRUCTURE AND ALGORITHMS. Utilized technologies: GIT, GITHUB, impacting 72 students, Received positive feedback, demonstrating commitment to holistic student development.

## EDUCATION

### A.G Patil Polytechnic Institute, Solapur — Diploma

SEPT 2022 - PRESENT

Computer Science Engineering

Pursuing (expected July 2026 Executive Degree for working Professionals)  
• Acquiring knowledge about core CSE subjects in research and Development Level

### A.G Patil Polytechnic Institute, Solapur — Diploma

JULY 2019 - MAY 2022

Computer Science Engineering | CGPA: 79.4

## SKILLS

- **Programming Languages:** Java(core), C, C++, Python
- **Web Development:** HTML, CSS, Bootstrap, JavaScript, Node.js, Express.js
- **Version Control:** Git, GitHub
- **Database Management Systems:** MySQL, MongoDB
- **Operating System:** Ubuntu

## ACTIVITIES

- Delivered research papers to an audience of 200-230 attendees at 'Annum 2k22/2k2'
- Organizing and managing Industry experts conference on personal development and technical talks on college level.
- College code club management and conducting and working on projects on president posting in club

## INTERESTS

Fitness, nutrition, book-reading, Self-improvement, blogging (Tech Blog [BLOG LINK](#)), Video Content creator (Youtube [YT link](#))

## CERTIFICATIONS

### Distributed Systems —

NPTEL | (JUL-SEP 2021)

Roll No:

NPTEL21CS87S24280096

- **Knowledge gained :**  
**Decentralization,Security,Scalability,transparency,etc**

## PROJECTS

### AOSD(Analytics of student database)— *Exploring the Dimensions of Academic Performance* | Diploma project

Our platform transforms education administration, providing real-time insights into attendance, semester marks, and teacher ratings. OTP-verified attendance ensures accuracy. Sharing student portfolios enhances parent-teacher communication, and the feedback system allows personalized interventions. In essence, our solution optimizes education processes, promotes transparency, and enhances collaboration for a more effective educational experience.

#### Key features include:

- **Real-Time Analytics:**Instant insights into attendance, semester marks, and student performance.
- **Teacher Ratings:**Evaluate students based on semester performance with personalized ratings.
- **Improvement Feedback:** Identify areas for enhancement and foster personalized student development.
- **Attendance Verification:**Real-time and accurate attendance using OTP-verified entries.
- **Seamless Communication:** Effortless sharing of student portfolios with parents.
- **Feedback System:**Encourage communication with a dedicated comment box for staff.

**ROLE & PROBLEMS:** As a team leader, I designed cutting-edge algorithms for dynamic data flow and led the team in making collective decisions to address and resolve system bugs. Our collaborative efforts not only enhanced team dynamics but also optimized our data flow processes effectively.

**Impact:** Our project stands as a transformative force in education, streamlining processes and creating an efficient educational ecosystem.