

# Ratul Saha

Bangalore, Karnataka | [ratulsaha324@gmail.com](mailto:ratulsaha324@gmail.com) | +91 7047225121 | [ratulsaha-dev.github.io](https://github.com/ratulsaha-dev) | [linkedin.com/ratulsaha1](https://www.linkedin.com/ratulsaha1)

## EXPERIENCE

### Exam Proctor | Talview

Nov' 24 – Present

- Acted as an invigilator to monitor and maintain exam integrity, ensuring clients' customers adhered to all examination protocols.
- Guided customers in efficiently using the product and resolved any technical or procedural issues during exams.
- Proactively troubleshoot and addressed technical problems to deliver a smooth exam experience.

### SDE Intern | Gynere Technologies

Jun' 24 – Oct'24

- Developed dynamic and fully functional web applications for the clients.
- Understanding of Backend languages (Java, Python) and databases (SQL) to make the web applications with more functionality.
- Used ReactJS for frontend design of the web applications.

### Coding Instructor | Codingal

Apr' 24 – May' 24

- Instructed advanced courses in frontend (HTML, CSS, JavaScript) and backend (Python, Java, SQL) development, providing in-depth technical guidance.
- Managed virtual classrooms across multiple time zones, upholding high standards of engagement and ethics.
- Conducted regular Parent-Teacher Meetings to share student progress, fostering transparency and communication with parents.
- Applied innovative teaching methods to boost student engagement and learning outcomes.

### Technical Instructor | WizeLub

Jul' 23 – Oct' 23

- Led training programs covering Python, Java, SQL, HTML, and CSS, designing a curriculum that aligned with industry standards and student needs.
- Built and updated instructional materials, enhancing the relevance and quality of training resources.
- Maintained strong client relationships by adapting training based on feedback and ensuring high satisfaction levels.
- Conducted demo sessions that drove student enrollment and engagement.

## Skills:

- **Front-end Technologies:** HTML, CSS, JavaScript, ReactJS
- **Backend Technologies:** Java, Python, C
- **Database:** SQL
- **Tools:** VS Code, Eclipse, MYSQL,
- **Version Control:** Git, GitHub

## Projects:

### HireClub – a employee management system [ Gynere Technologies]

Jun' 24 – Oct' 24

**Technology Used:** *ReactJs, Python, FlaskAPI,*

- Developed a robust employee management system to structure and manage employee data effectively.
- Key features included:
  - ✓ Comprehensive employee details management.
  - ✓ Leave tracker for efficient leave monitoring.
  - ✓ Employee and department organization.
  - ✓ Salary management system for accurate payroll processing.
- Played a pivotal role in migrating the project from legacy technologies (HTML, CSS, JavaScript, PHP) to modern frameworks and tools.
- Contributed to research and development efforts, ensuring smooth adoption of the latest technologies.
- Provided team leadership, fostering collaboration and driving the project's success.

### Data Structure Visualizer

2024

**Technology used:** HTML, CSS, JavaScript [link: <https://ratulsaha-dev.github.io/visualizer/> ]

- Developed an interactive online tool to help beginners understand data structures and sorting algorithms.
- Enabled users to create arrays through input and visualize sorting simulations directly in the web browser.
- Designed the frontend using HTML and CSS for a user-friendly interface.
- Integrated JavaScript to handle operations and generate dynamic visualizations of sorting techniques.
- Demonstrated the practical efficiency of data structures and algorithms through an accessible learning platform.

## Education:

**Electronics and Instrumentation Engineering | Narula Institute of Technology**

2018 - 2022

DGPA: 8.41

## Certification:

- **Java and Python Full Stack Certification, 6 months course from KodNest**