



# Mridul Roy

## Web & Software Developer

### EXPERIENCE

#### Creative IT Institute, Bangladesh — Intern

June 2020 – August 2020

- Implemented a custom fuzzy search algorithm, MVC model, RESTful API with MongoDB support for a resume selection software service.

### PROJECTS

#### Ecommerce Based web app— (php , laravel)

- Ability to manage orders, including order tracking, payment processing and order fulfillment.
- Ability to manage user accounts, including registration, login, authentication and authorization.
- Implemented inventory levels, receive notifications when inventory are low.
- Ability to optimize the website for search engines, including blog posts, pages.

#### Simple Portfolio web app— (php , laravel)

- **Client Software:** Implemented a background software which showcase the work of an individual or a company. It is a collection of testimonials and other content that demonstrates the skills, expertise.
- **Web App:** Implemented an endpoint for the Client Software to consume.

#### Real time Chat Application— (ReactJs , NodeJs, ExpressJs, Socket.io)

- **Frontend:** Built with React.js for an interactive and user-friendly interface.
- **Backend:** Leverages Node.js and Express.js to handle user interactions and server-side logic.
- **Real-time communication:** Likely utilizes a library like Socket.io to enable real-time messaging between users.

### EDUCATION

#### United International University, Dhaka — BSC in CSE

Credit Completed: 65/141

**Major Courses:** Discrete Mathematics, Algorithm, Data Structure, Database System, Data mining & Machine Learning, Software Engineering.

#### Activities:

- Competitive Programming member, UIU Computer Club.

[GitHub](#)

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### SKILLS

- Programming Languages: C, C++, Python
- Database Management: MySQL , MongoDB
- Operating System: Linux.
- Computer Vision:, Tensorflow
- Cyber Security: Vulnerability assessment, penetration testing, Security audits.
- Frontend: ReactJs
- Backend: NodeJs, ExpressJs
- Mobile App Development: Flutter
- Frame Work: Django, Laravel
- Static Site Generator: NextJs

### PROBLEM SOLVING PROFILES

- [Codeforces](#): Max Rating(1749)

### CERTIFICATIONS

- Professional Web Development from Creative IT Institute.
- Learn Ethical Hacking From Scratch(Certificate no: UC-74ba0394-a74d-4089-b078-bbafaf94574a) from Udemy.
- Full Stack Web Development with MERN from OSTAD.