

# Ashutosh Kumar Roy

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## SKILLS

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- **Programming Languages:** C++, Python, Java, C
- **Web Development:**
  - **Front-end:** HTML, CSS, Bootstrap, Jinja2, JQuery, JavaScript, Typescript, Reactjs, Redux
  - **Back-end:** Flask, Django, REST API, GraphQL
- **Database:** SQLAlchemy, SQLite, MySQL, PostgreSQL, Firebase
- **Tools:** Git, Linux, Docker, Kafka, Postman, Elasticsearch, AWS RDS, S3 Bucket

## EXPERIENCE

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### Accenflair Pvt Ltd

Full Stack Developer

Hyderabad, India

January 2024 -

- As a Fullstack Developer, I contribute to the development of **SaaS** applications tailored for our clients. My role encompasses a wide array of responsibilities spanning backend development, frontend design, and system integration.
- **Technology Integration:** Spearheaded the integration of Kafka, Twilio, Onsignals, Elasticsearch, and Kibana into our SaaS applications, enhancing functionality and scalability.
- **Backend Development:** Designed and implemented backend systems using Python Django, ensuring robustness, security, and efficiency in data processing and management. Integrated **Stripe** payment gateway, facilitating secure and seamless transactions for users.
- **Frontend Development:** Leveraged React with Redux to develop intuitive and responsive user interfaces, optimizing user experience and engagement.
- **Notification System Ownership:** Took ownership of the notification system, implementing email, SMS, and WhatsApp notifications to keep users informed and engaged.
- **Reports and Admin Interfaces:** Developed comprehensive reporting features and streamlined admin interfaces, empowering clients with actionable insights and efficient management tools.
- **API Development with GraphQL:** Built API endpoints using GraphQL, enabling flexible and efficient data querying and manipulation for both frontend and backend systems.

### INTEL

Full Stack Developer Intern | [Certificate](#)

Bangalore, India

July 2022 - June 2023

- We developed a Full-stack application for the Data Center and AI group in a team of 8 members.
- It is a Web portal developed using front-end technologies like **HTML, CSS, Bootstrap, Jinja template, and vanilla JavaScript** and back-end technologies like **Python Flask, SQLAlchemy, and PostgreSQL**.
- The Portal represents a cross-intel initiative to drive systematic market-important workload orientation into Intel's product planning, development, and delivery.
- Influenced **250** enterprise data innovators and doubled Intel's consumption revenue to **60M** US Dollars.

## PROJECTS

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**ClickShop** | [HTML, CSS, React, Redux, Django, PostgreSQL, AWS, S3, Heroku](#) | [LIVE Link](#) | [GitHub](#)

- **User Authentication:** Developed a secure user authentication system allowing users to create accounts, log in, and manage their profiles.
- **Product Management:** Implemented product listing pages with detailed product descriptions, allowing users to browse and explore available products.
- **Shopping Cart Functionality:** Created a robust shopping cart system enabling users to add products, update quantities, and proceed to checkout seamlessly.
- **Checkout Process:** Integrated a streamlined checkout process, allowing users to enter shipping details, choose payment methods (PayPal or credit card), and place orders securely.
- **Product Rating and Reviews:** Implemented a rating and review system enabling users to provide feedback and ratings for products, enhancing user engagement and trust.
- **Admin Panel:** Developed an admin panel with features for managing products, users, and orders efficiently. Administrators can edit, delete, and track orders seamlessly.
- **Pagination and Searching:** Implemented pagination and search functionalities to enhance user experience, enabling users to navigate through large datasets efficiently.

**LIVE ChatApp** | [React, HTML, SCSS, Firebase, Netlify](#) | [LIVE Link](#) | [GitHub](#)

- It provides a real-time chat feature in which users will be able to send and receive chat messages along with images. Users can also search for other users and initiate a chat with them.
- The site has a visually appealing chat interface and is responsive for PC, tablet, and mobile.
- For user authentication, **Firebase Authentication** is utilized, and **Firebase Storage** is employed for saving user profile pictures.

- **Firestore Database** is used to store authenticated user information, their friends' data, as well as chat messages among them.

**QuoraClone** | HTML, CSS, JavaScript, Django, PostgreSQL, Render | [LIVE Link](#) | [GitHub](#)

- An online Question-and-answer forum inspired by Quora where users can sign up, post questions, and answer them. The platform also includes features for upvoting and downvoting answers.
- The site is responsive for PC, Tablet, and Mobile.
- Implemented user authentication using Django's form authenticator.
- Designed and produced a **PostgreSQL** database on Render.com to store user profile data, question and answer data, and voting data.

**More...** | Visit my Portfolio website | [Portfolio](#)

## EDUCATION

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**National Institute Of Technology(NIT)**, Hamirpur, HP  
**Masters of Technology(MTech)** in Computer Science and Engineering

July 2021 - July 2023

## ADDITIONAL SKILLS and ACHIEVEMENTS

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### Educator(Youtube)

I run a YouTube channel guiding my subscribers on problem-solving and coding. Following are my courses:

- [Full Stack Mastery](#): This course contains videos on building Projects from scratch.
- [DSA Course](#): A course on solving easy, medium, and hard-level Data Structures and Algorithms (DSA) problems on coding platforms like LeetCode, along with in-depth concepts of problem-solving and DSA.

### 2x GATE Qualified

- Crack GATE CSE 2020
- Crack GATE CSE 2021