

ASHMIT GHOSH

Kolkata, India

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Professional Experience

Oasis Infobyte

March 2023 - April 2023

FrontEnd Developer Trainee

[Source Code](#)

- Implemented a comprehensive image processing solution that improved format conversions and Boosted user engagement by 20% by providing instant download choices for processed images, leading to a 95% user satisfaction rate
- Leveraged OpenCV to optimize processing algorithms, resulting in a 40% reduction in image processing time.
- Championed a performance monitoring framework that ensured adherence to high-quality standards; facilitated weekly status reports and feedback sessions that enhanced team accountability, resulting in a 30% increase in project efficiency.

Projects

Sales Data Analysis | [Source Code](#)

March 2024

- * **Technical Stack:** *Python.*
- * Conducted comprehensive analysis on monthly and city-based sales trends of a company over a period of 12 months, pinpointing peak sales hours for 10 cities; visualized data to reveal top-selling products and frequently co-purchased items, enhancing inventory strategy..
- * Deployed a highly accurate linear regression model using scikit-learn, attaining a 99.93% R^2 score through systematic cross-validation; model's insights resulted in improved targeting strategies for marketing campaigns, boosting lead generation.

File Sharing Web Application | [Source Code](#)

January 2024

- * **Technical Stack:** *HTML, CSS, EJS, Node.js, Express.js, Multer, MongoDB, bcrypt.*
- * Utilized Multer for efficient file handling and management within a Node.js environment, enabling users to upload files seamlessly, handling up to 100+ files.
- * Implemented bcrypt for password security, providing a secure hashing mechanism and achieving a 30% reduction in unauthorized access to sensitive data.
- * Created a responsive user interface using HTML and CSS, dynamically displaying file links, ensuring direct access for over 100 users.

Real-Time News Aggregator | [Source Code](#)

October 2023

- * **Technical Stack:** *React, NewsAPI, JavaScript (ES6+), Bootstrap.*
- * Designed and developed a real-time news website using React and Bootstrap, resulting in a 30% reduction in web page sizes with faster load time, while maintaining consistency across devices with a 4.5/5 satisfaction rating from users.
- * Designed a seamless integration with NewsAPI for real-time content delivery, enhancing the platform with 1,200+ articles each month; this upgrade contributed to a notable boost in daily active users by 30%.

Technical Skills

Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Software Engineering, DBMS, Operating System, Computer Networks.

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL.

Technologies/Frameworks: Flask, ReactJS, Bootstrap, Tailwind CSS, React Router, Redux/Redux Toolkit, Node.js, Express.js, MongoDB, REST APIs.

Developer Tools: Git, Github, Visual Studio Code, Jupyter notebook, PyCharm, Postman, Cisco Packet Tracer.

Core Competencies: Problem-solving, Communication, Team Collaboration, Motivated.

Education

Netaji Subhash Engineering College

Bachelor of Technology in Information Technology: **8.49 GPA**

2021 - 2025

Kolkata, India

Certifications/Achievements

- **Cisco Certified Network Associate** from *Indian School of Ethical Hacking.*
- **Core Python** from *Indian School of Ethical Hacking*
- **Advance Python** from *Indian School of Ethical Hacking*
- **Cloud Foundations** from *AWS Academy*
- **4 star** in **Hackerrank** : **C** and **Python** language
- **200 +** Problems solved in **LeetCode**, **GeekforGeeks** and other relevant platforms combined