

ASHISH KUMAR

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EDUCATION

UNIVERSITY AT BUFFALO, THE STATE UNIVERSITY OF NEW YORK

Aug 2021-Feb 2023

Master of Science in Computer Science (MS)

Major Courses: Database System, Blockchain, Modern Networking Concept, Machine learning, Algorithms

NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY

Aug 2014-May 2018

B.E Computer Science and Engineering – **First Class with Distinction**

Major Courses: Cloud Computing, Big Data, Artificial Intelligence, Android Development.

SKILLS AND TOOLS

Programming Languages: Java, Python, JavaScript, SQL, HTML5, CSS3, SQL

Libraries and Frameworks: - Django, React, NodeJs, Jira, Spring, Hibernate, React, Git, Jira, DynamoDB, MongoDB

Cloud Technologies: AWS, Docker, Kubernetes, DigitalOcean, Azure

Skills: SDLC, Website Design, Agile, System Design, Algorithmic Thinking

Operating system: Linux, Windows

WORK EXPERIENCE

Blockchain Think Lab

May 2022–Present

Graduate Research Project Assistant

- **Technologies Used:** Figma, React, NodeJs, PostgreSQL, Docker, Solidity, DigitalOcean
- Designed and developed a decentralized web marketplace to facilitate the trading of green energy among participants.
- Created Mock-up UIs of the web application with Figma based on the client's needs
- Deployed backend, frontend, and database on the application platform of DigitalOcean
- Deployed and tested the smart contract on Ropsten test network, Arbitrum, and finally also on Ethereum Mainnet

MINDTREE

Aug 2018-Jul 2021

Senior Software Engineer

- **Technologies Used:** Java Spring Boot, Maven, JSP, Junit, JPA, Hibernate, Linux, Oracle SQL, SVN, Jenkins, MQ
- Led a team of **4 developers** for over **13 projects**.
- Implemented REST APIs using Java Spring and RESTful Web Services on the Red Hat Linux Platform
- Setup 2 payment types in the application to handle international investors. It saved **12 hours** of manual effort for clients per financial year
- Created Oracle DDL, and DML scripts to modify the database in accordance with the project requirement

EveryCrave

Jun 2017–Jul 2017

Software Developer Intern

- **Technologies Used:** HTML5, CSS3, React, Django, JavaScript, SQLite, Bitbucket
- Created a web application to serve as a medium between restaurants and catering businesses and needy people

PROJECTS

Crypto Gallery

Mar 2022-May 2022

- **Technologies Used:** React, NodeJS, Solidity, truffle, Ganache
- Built an end-to-end decentralized art marketplace where artists have full authority over their art pieces.
- Blockchain does the work of trust intermediation so the buyers can be assured of the authenticity of the art piece.
- Only the buyer has the authority to change the price of his art pieces or to put art-piece back on market.

Shopping Cart

Oct 2020-Dec 2020

- **Technologies Used:** Java, SpringBoot, JPA, Oracle
- Built a shopping cart web service that allows you to add products to a cart, delete products from a cart, and view cart
- It also allows you to search products by Id, Category, and name

RESEARCH

- Authored a research paper on '*Mathematical Behaviour of Pandemic Using Models and Growth Curves*' in the Springer AISC series. ISBN: [978-981-16-1342-5](https://doi.org/10.1007/978-981-16-1342-5) (Sep 2020)

