

# AANCHAL TRIPATHY

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## EDUCATION

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**GITAM University** | BTech in Computer Science (2020 - 2024)

**GPA: 9.25**

## EXPERIENCE

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**GOSHOP** | *TECH LEAD (Software Development)*

JUNE 2023–MAY 2024

- Developed a dynamic front-end page with React, reducing page load times by **25%** through optimized rendering
- Designed and structured key website sections including Home, Courses, Coupons, E-books, Subscription, and Store, enhancing user navigation and content accessibility and implemented dynamic data display with API integration
- Integrated **Razorpay API** for seamless order processing and retrieval using **query parameters**
- Designed robust NodeJS **webhook handlers** to automate order management and capture delayed authorized payments efficiently, **reducing manual intervention** by 60%
- Improved Website's google ranking using **Google Search Console** and **Backlinks**
- Used **Redux (context)** to maintain and update data across the website, improving state management efficiency
- **Containerized** the web application using **Docker**, enabling **consistent deployment** and scaling across different environments

## PROJECTS

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[ProManager](#) | *Java, Spring Boot, MySQL, Docker, REST*

- Built a RESTful API with Spring Boot, enabling CRUD operations for 'Product' using **Hibernate** and **Spring Data JPA**
- Configured a MySQL database, setting up schemas and tables for data management
- Created **Docker images** for the Java app and MySQL, ensuring **consistent packaging** and **deployment**
- Used **docker compose** to manage multi-container setups, and Tested the API using **Postman** and **curl**

[SimpleStore](#) | *Spring Boot, H2 Database*

- Developed efficient **CRUD** operations using **JPA Repository** and created endpoints for managing product records
- Configured **H2 database** and CORS for secure **cross-origin requests**, ensuring secure and efficient data handling
- Implemented image upload/display and search functionality, improving user engagement and **optimizing search performance** by 40%

[PatternLock](#) | *ReactJS, Bootstrap, NodeJS, REST*

- Developed a **graphical password authentication** system with a pattern-based mechanism, built a Node.js API handling **500+ requests/second**, utilized MongoDB for secure credential storage, and enhanced security by randomizing image positions to **prevent brute force attacks**.

[Transactify](#) | *ReactJS, Blockchain, Solidity, NodeJS, ExpressJS*

- Created a system to convert Traditional **Databases to Blockchain Databases** improving the **security** by **51%**
- Implemented the ability to **migrate** the data by just providing the **schema** of the supported database
- Worked with **Metamask** Wallet and **Ethereum Mainnet** making it work with **Millions of transactions per day**

## SKILLS

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**DEVELOPMENT:** ReactJs, ExpressJs, HTML/CSS, REST API, MongoDB, Redux, GitHub, SDLC, Spring Boot, Agile Framework

**PROGRAMMING:** Java, C/C++ (STL), Golang, MySQL, Python, JavaScript, Solidity, PL/SQL

**TOOLS:** Git, Docker, Postman, Linux, Burp Suite, Wireshark, Nmap, Metasploit, Firebase

## ACHIEVEMENTS AND CERTIFICATIONS

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- Young Achiever award (GITAM Vizag)
- Consistent Scholarship holder achieving CGPA among top 2% in the CSE department
- [Certified in Applied Cyber Security \(CACSP\)](#)
- [Frontend Developer \(React\) Certificate](#)
- [Rest API \(Intermediate\) Certificate](#)
- [Google Cloud Students' Program 2021](#)
- Problem Solving (Intermediate) - ID: A61111BBFFEF
- [Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization](#)
- [Neural Networks and Deep Learning](#)