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Moudipa Jana

Full Stack Software Developer

Portfolio: MathtoData.com
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Forth-year undergraduate with 2 years of software development experience. Proficient in full-stack development, blockchain, Go Lang, and Flutter. Seeking opportunities to apply and expand skills, with strong problem-solving and teamwork abilities. Eager to contribute to innovative projects and learn from industry leaders.

SKILLS

Tools and Languages	Docker, MySQL, Git, VS-Code, Figma(UI), Amazon Web Services
Programming Languages	JAVA, SQL, JavaScript, JQuery, GoLang, Python, HTML, CSS
Frameworks	ReactJS, NodeJS, ExpressJS, AngularJS, VueJS, NextJS, Typescript, Flask, Flutter, Dart
Soft Skills	Leadership, Event Management, Public Speaking, Writing

TECHNICAL EXPERIENCE

Full Stack Developer Intern **07,2023 — Present**
Coneio Exam Pvt. *Remote*

- Proficiently developed and maintained Coneio Exim Pvt's website utilizing the MERN stack, including ReactJS for dynamic front-end and NodeJS with ExpressJS for efficient back-end operations.
- Enhanced website functionality by implementing RestfulAPI and TypeScript, ensuring seamless data exchange and code readability, contributing to improved user experience and future scalability.
- Environment** - ReactJS, NodeJS, ExpressJS, MongoDB, RestfulAPI, Typescript, TelwindCSS, NextJS

Software Developer Intern **06,2023 — Present**
Misfits *Remote*

- Contributed to the development of web applications and mobile apps, gaining valuable real-time experience and hands-on expertise in Software Testing.
- Utilized a variety of technologies, including Flutter, Golang, Typescript, React, Angular, and Vue, to create innovative and user-friendly solutions.
- Collaborated with team members to design and implement software features, ensuring functionality, usability, and scalability of applications.
- Engaged in software testing activities to identify and resolve bugs, ensuring high-quality deliverables and a seamless user experience.
- Environment** - Flutter, Golang, Dart, Typescript, ReactJS, AngularJS, NextJS

Software Developer Intern **07,2021 — 11,2021**
IBM, India *Remote*

- Contributed to the development of a security-based management system, enhancing its functionality and security measures.
- Participated in training sessions to learn software development theory, techniques, and coding best practices, improving coding skills and knowledge base.
- Gained in-depth expertise in coding languages such as Java, Python, SQL, and jQuery, enabling efficient and effective software development.
- Actively engaged in the student developer community, collaborating with peers and contributing to the development of innovative solutions.
- Environment** - Java, Python, SQL, JQuery

Mentor and Management Lead **01,2021 — 06,2021**
LetsGrowMore *Remote*

- Organized and hosted programs that facilitated connections between students and non-student neighbors, encouraging creativity and resilience.
- Demonstrated strong leadership skills in managing and mentoring teams, ensuring the successful execution of projects and events.

PROJECTS

Medicure | Medicine Guidance Web Application

- Implemented a Medicine Recommendation System using machine learning algorithms to analyze drug data and provide alternative medication suggestions based on user queries.
- Created a web interface using Streamlit to allow users to easily access and interact with the recommendation system, enhancing user experience and accessibility.
- Demonstrated proficiency in software development and machine learning techniques, contributing to the improvement of healthcare services through innovative technology solutions.
- Utilized Tools:** Python, Jupyter Notebook, HTML, CS

Automated Tagging System for Stack Overflow

- Implemented machine learning algorithms to revolutionize content categorization, resulting in a 30
- Integrated real-time tagging capabilities, enhancing adaptability to community trends and improving user experience.
- Demonstrated expertise in software development and machine learning, contributing to the advancement of knowledge sharing platforms.
- **Utilized Tools** : Flask, Scikit-learn, Pandas, NumPy, ReactJS, NodeJS

Blockchain-Based Fraud Detection System for Post Supply Chain Management

- Developed a blockchain-based system to enhance transparency in the post-supply chain, utilizing RFID technology and QR codes for anti-counterfeit measures.
- Implemented a decentralized application to track product history, including brand information and ownership details, ensuring authenticity and preventing parallel trade.
- **Utilized Tools** : Node.js, Android Studio, Ethereum Blockchain, Solidity Smart Contracts, Ganache, HTML, CSS, JavaScript, Bootstrap, MySQL.

Q-A | Interview Practise Session Application

- Developed a Q-A Interview Practice Session Application using ReactJS, MongoDB, ExpressJS, and NodeJS, providing a platform for interview preparation.
- Implemented an algorithmic matching system to pair interviewers and interviewees based on shared topics, enhancing the learning and preparation experience.
- Facilitated interview practice sessions, enabling users to improve their interview skills and knowledge in a collaborative environment.
- Demonstrated proficiency in software development and algorithm design, contributing to the enhancement of interview preparation resources.
- **Utilized Tools** : ReactJS, MongoDB, ExpressJS, NodeJS, RestfulAPI

Breast Cancer Detector API

- Created a Breast Cancer Detector API using Python and DockerFile, providing a valuable tool for early detection of breast cancer.
- Developed an API that accepts a 64 x 64 PNG image file extracted from a whole slide image as input, utilizing machine learning to predict the probability of the image containing mitosis.
- Implemented a crucial healthcare solution, aiding medical professionals in making informed decisions for early diagnosis and treatment.
- Demonstrated proficiency in software development and machine learning, contributing to advancements in medical technology and patient care.
- **Utilized Tools** : Python, DockerFile

PUBLICATIONS

JOURNAL ARTICLES

- Mathematical Modelling on Spread of Fungi on Open Surface
- Journal of Consortium for Mathematics and its Applications(COMAP) (Feb. 2021) pp. 2021-22

EDUCATION

Integrated M.Tech, Computer Science, Vellore Institute of Technology

2020 - Present

Courses: DSA, Computer Architecture, DBMS, OS, OOPS, Theory of Computation, AI, Networks, Java, Software Engineering, Web Programming, HCI

ACHIEVEMENTS

General Secretary of VITMAS (VIT Vellore's Official Mathematics Student Chapter), Organiser of Cognition (a global hackathon organised by VITMAS)

Senior Core at DanceClub-VIT, Bengali Literary Association-VIT and Fepsi-VIT(NGO)

Finance coordinator RIVIERA-2K23 (Cultural Event of VIT Vellore)

CERTIFICATIONS

Ethnus MERN STACK Industrial Internship Certificates

Cognizant Agile Methodologies

AWS Solution Architect

Deloitte Technology Job Simulation