

ARGHYA PATRA

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EDUCATION

Acharya Institute of Technology, Bengaluru <i>Bachelor of Engineering in Computer Science</i>	2024
Vidyasagar Vidyapith Boys High School <i>West Bengal Council of Higher Secondary Education, WB</i>	2020 <i>Percentage: 88</i>
Narajole Mahendra Academy <i>West Bengal Board of Secondary Education, WB</i>	2018 <i>Percentage: 89</i>

EXPERIENCE

AWS APAC Solutions Architecture	November 2023
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Forage Simulation, Certificate

- Designed a simple and scalable hosting architecture based on Elastic Beanstalk for a client experiencing significant growth and slow response times.
- I described my proposed architecture in plain language, ensuring my client understood how it works and how costs will be calculated.

PROJECTS

FoodMood – Culinary Social Network | React Native, REST API, LSTM, CNN

- A social media app all about food
- Developed FoodMood, a React Native-based culinary social network seamlessly integrating RESTful APIs for efficient data handling and platform versatility
- Utilized advanced AI algorithms such as LSTM and CNN to deliver personalized recipe recommendations and content moderation features, enhancing user culinary experiences.

Build Your Own Git | JavaScript, Node.js, zlib, crypto, file system (fs) module

- Developed a custom Git implementation as part of a challenge on the CodeCrafters platform from scratch using JavaScript, implementing core commands like init, hash-object, cat-file, ls-tree, write-tree, and commit-tree.
- Built a custom object model and file system structure to handle data compression and SHA-1 hashing, ensuring the integrity and reliability of version control data.
- Implemented Git's Smart HTTP transfer protocol to clone repositories, demonstrating proficiency in handling complex data transfers and repository management.

School Management | MongoDB, Express.js, React.js, Node.js

- The system supports Admin, Teacher, and Student roles, each with distinct functionalities. Admins manage user accounts, classes, and system settings, while Teachers handle attendance, performance assessments, and communication with students.
- Teachers can efficiently track attendance, assess student performance with marks and feedback, and generate comprehensive reports. Students can visualize their academic progress through interactive charts and tables.

TECHNICAL SKILLS

Languages: Python, JavaScript, React.js, HTML/CSS, SQL

Frameworks: React, Node.js, Shadcn, Material-UI

Database : MySQL, MongoDB

Developer Tools: Git/GitHub, AWS, Google Cloud Platform, Postman, VS Code, Visual Studio, PyCharm, Eclipse

Databases : MySQL, MongoDB

Concepts : Networking, OS, Linux

Design & Editing Tools: : Adobe Photoshop, Adobe Lightroom

CERTIFICATE

- Postman API Fundamentals Student Expert [Certificate](#) 02/08/2024
- AWS Cloud Practitioner Essentials [Certificate](#) 10/02/2023
- Complete Python Programming [Certificate](#) 06/12/2022
- Introduction to IT & Cyber Security [Certificate](#) 21/08/2022