

ARGHYA PATRA

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EDUCATION

Acharya Institute of Technology, Bengaluru <i>Bachelor of Engineering in Computer Science</i>	2024 CGPA: 7.54
Vidyasagar Vidyapith Boys High School <i>West Bengal Council of Higher Secondary Education, WB</i>	2020 Percentage: 88
Narajole Mahendra Academy <i>West Bengal Board of Secondary Education, WB</i>	2018 Percentage: 89

EXPERIENCE

AWS APAC Solutions Architecture <i>Forage Simulation , Certificate</i>	November 2023
<ul style="list-style-type: none">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 <ul style="list-style-type: none">A social media app all about foodDeveloped FoodMood, a React Native-based culinary social network seamlessly integrating RESTful APIs for efficient data handling and platform versatilityUtilized 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 <ul style="list-style-type: none">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 <ul style="list-style-type: none">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