

SOURAV KUILA

Mumbai, India

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Education

SRM Institute of Science and Technology

Bachelor of Technology in Biotechnology

CGPA : 8.59/10

June 2018 – May 2022

Chennai, Tamil Nadu

Higher Secondary Education

Vikash Residential School

Percentage : 80.6%

June 2015 – March 2017

Bhubaneswar, Odisha

Experience

Capgemini, Mumbai

Senior Software Engineer

July 2022 - Present

Mumbai, Maharashtra

- Developed a **Generative AI** solution leveraging **Azure AI Search** for efficient data retrieval and **GPT-4o** for advanced generation capabilities.
- Built **RESTful APIs** using **Node.js** and user-friendly front-end development using **Angular**.
- Full-stack development** using **Node.js**, **Express.js**, **Sequelize ORM**, **PostgreSQL**, **Angular** featuring a **robust** and **scalable architecture** with a well-defined database schema and an interactive user interface.
- Developed and executed unit and integration tests using **Jasmine and Karma**, achieving over **80%** code coverage and ensuring optimal performance and stability.
- Designed and developed a dynamic web application using **Angular**, incorporating the **Ionic Framework** and **Capacitor** to optimize mobile responsiveness and integrate native device features, delivering a seamless cross-platform experience
- Worked on various **Use Cases** including designing and implementing secure **Role-based access control systems**, automating **Server Log Analysis** for enhanced monitoring, building efficient **File Transfer** solution, **Kafka integration** and **Test-Driven Development**.
- Contributed to the development of an **Accelerator tool** using **Python**, automating the refactoring of small applications, resulting in significant reduction in **manual refactoring time**.
- Contributed in enhancing the maintainability and performance of a **Node.js** application by effectively **refactoring** the codebase, **reducing complexity**, and improving readability and efficiency.

Technical Skills

Languages: JavaScript, Typescript, Python, SQL

Web Development Frameworks: Angular, Node JS, Express JS

Databases: PostgreSQL

Tools: Git, Postman, Swagger

Cloud Platforms : AWS (EC2, S3), Azure (DevOps, Blob Storage, AI Studio)

Projects

E-library | *Angular, Node.js*

Aug 2023

- Developed a interactive and user-friendly digital library experience where users can explore subscribed books, read and return them. GitHub link - <https://github.com/souravkumarkuila/E-library>

Amusement Park Booking System | *Angular, Node.js*

Oct 2024

- A Streamlined Ticket Management and Booking Platform where users can easily book tickets based on ticket types using Angular and Node.js. GitHub Link - <https://github.com/souravkumarkuila/Amusement-park-backend>

E-Commerce | *Angular, JSON Server*

Sep 2023

- Developed a responsive e-commerce app with Angular and JSON Server. GitHub Link - <https://github.com/souravkumarkuila/E-Commerce>

Hotel management system | *Angular, Java, Microservices*

May 2022

- A hotel management system featuring room booking, pricing categories, guest registration and staff management built using microservice architecture. GitHub Link - <https://github.com/souravkumarkuila/Hotel-management-system-backend>

Certifications

AWS Certified Developer - Associate. Sep 2024

AWS Certified Cloud Practitioner. Oct 2022

Google Cloud Digital Leader. Nov 2022

Microsoft Certified: Azure Fundamentals. Sep 2023

Generative AI Fundamentals. June 2023

Agile Software Development. Oct 2022

The Complete 2021 Web Development Bootcamp. Aug 2021