Dipu Kumar Sah

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SUMMARY

Detail-oriented software development graduate seeking SDE1 position to initiate a career in software engineering. Proficient in problem analysis and solution implementation using core programming skills. Eager to contribute to agile teams and develop scalable applications while adhering to best coding practices. Committed to collaborating with diverse teams to drive value-driven projects and support organizational growth.

EDUCATION

2020 - 2024	Bachelor of Engineering in CSE **R.R. Institute of Technology**	(GPA: 7.86/10.0)
2019	Class 12th Om National Academy	(71.5%)
2017	Class 10th MINI LAND ENGLISH MA VI	(83.75%)

WORK EXPERIENCE

Python — Intern   Aug 2023 – Sep 2023

– I had the opportunity to learn Python, Django and analysis model.

– Designed and developed a happiness project, leveraging various datasets and algorithms to predict either a person will be happy or not before buying a house.

PROJECTS

Recursive Todo   Demo Link

– Created an interactive recursive Todo management app leveraging React (TypeScript), with useState, useEffect, and useContext for optimal state handling. Enabled users to manage todos with infinite subtodo nesting.

– Incorporated localStorage for persistent data storage, ensuring information is reliably synchronized and retained even after browser refreshes or closures.

Timetable Generating System   Github Link

– Developed a custom-built genetic algorithm to automate timetable generation based on teacher inputs, ensuring conflict-free scheduling to manage multiple constraints efficiently, reducing manual workload and improving scheduling accuracy.

– Implemented back end functionalities with javascript, nodejs, Expressjs, and mongodb for user authentication, data storage, and Restful API; and built a responsive react front end with React Router for smooth navigation.

SKILLS

Java Full Stack	java, JDBC, hibernate, jpa, Spring Framework, Spring Boot, sql, postgresql
MERN Full Stack	javascript , TypeScript , NodeJs, ReactJS, ExpressJS, Redux, React Router, MongoDB, html, css, tailwindcss
Others	python, django, c, php, git, github, postman, nosql, mongooes, API Development