DISHA ROY

BACKEND DEVELOPER

CONTACT

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EDUCATION

2020 - 2024
MAKAUT UNIVERSITY

- Bachelor of Technology in Computer Science and Engineering.
- CGPA: 9.10 / 10

SKILLS

- Programming Languages: Python, JavaScript, TypeScript, Java, Go
- Frameworks: React.js, Next.js, NestJS, Numpy, Pandas, TensorFlow, Sklearn
- Tools/Platforms: Git, Docker
- Databases: MongoDB,SQL

LANGUAGES

- English (Fluent)
- Bengali (Fluent)
- Hindi (Fluent)

PROFILE

Aspiring backend developer with growing expertise in frontend development. Proficient in technologies like JavaScript, TypeScript, SQL, and frameworks such as Next.js, Nest.js, and React.js. Enthusiastic about applying programming skills in C, Python, Java, C++, and Go to innovative projects. Avid learner with a deep interest in AI and ML, committed to building applications that make a difference.

WORK EXPERIENCE

TRPGLOBAL APRIL 2024- PRESENT
Junior SDE

- **Backend API Development**: Implemented backend API modules within the assigned project, enhancing system functionality.
- **Frontend Design & API Integration:** Designed user interfaces and integrated APIs to ensure seamless communication between frontend and backend components.
- **TypeORM** Hooks: Implemented pre and post-hook functionalities using afterInsert and afterUpdate in TypeORM, enabling event-driven actions following database operations.
- **Real-time Notification System**: Developed a real-time notification system by implementing a Socket Gateway using socket.io in NestJS.

TRPGLOBAL October 2023 - April 2024
SDE Intern

- Developed and implemented microservice architecture using the NestJS framework, ensuring scalable and maintainable backend systems.
- Worked with SAP to streamline and optimize enterprise resource planning processes, enhancing overall system efficiency.

PROJECTS

Movie Recommender System

- Developed a machine learning model in Python to recommend movies based on user preferences.
- Utilized algorithms such as collaborative filtering and content-based filtering.
- **GitHub**: Movie Recommender System

California House Price Prediction

- Created a predictive model using various machine learning techniques to estimate house prices in California.
- Applied data preprocessing, feature engineering, and regression algorithms to improve model accuracy.
- **GitHub**: California House Pricing

CERTIFICATION

- Google Data Analysis
- Prompt Development Course by OpenAI and Deeplearning.
- Smart India Hackathon 2022
- Deep Learning Essentials
- IBM SkillsBuild and CSRBOX Academic Internship