Utkarsh Pradhan

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EDUCATION

Indian Institute Of Information Technology, Kota   Kota, Rajasthan
Bachelor of Technology in Computer Science Engineering   *Nov. 2022 – Jun 2026*

Oxford Public School   Gorakhpur, UP
Class -12th   *Aug. 2019 – May 2021*

ACHIEVEMENTS

Google Solution Challenge '24 (regionalist)   Jan 31, 2024
Team Member   *IIIT Kota, Rajasthan*

- Developed a full-stack web application (Scholar Sang)using Node.js,Express.js, React, PostgreSQL
- Constructed a comprehensive REST API and integrated it with PostgreSQL for seamless data storage from web scraping processes, enhancing data accuracy by 50 percent and reducing manual entry time by 25 percent
- Explored the JSON Web Token (JWT) Authentication Strategy and passport npm package for student registration, login, token formation, and authentication.

TechFest'23, IIT Bombay (regionalist)   Oct 2023
Team Leader   *IIIT Kota, Rajasthan*

- Created a Maze Solving Robot using Arduino and IR Sensor Array (Hardware Work)
- Wrote and Designed LSRB and RSLB Algorithms for our bot (Software Work)
- Optimized overall performance by accurately setting K_p, K_d and K_i constants for PID Algorithm

EXPERIENCES

Unmaster   May, 2023
Frontend Development   *IIIT Kota, Rajasthan*

- Developed the frontend UI using embedded javascript
- Integrated Dark Mode and Light Mode
- Created the website Responsive using Media Query

PROJECTS

Canteen Fresh | *Express, Node, React, PostgreSQL,Tailwind*   Jun 2024 – Present

- Developed a full-stack web application with Express serving a REST API with React as the frontend
- Implemented JWT Authentication Strategy for Merchant and User authentication.
- Integrated InstaMojo for online payment functionality
- Used Node as javascript runtime environment
- Used Tailwind CSS for creating frontend UI
- Used Web Sockets for live order update for merchant

Scholar Sang | *Express, Node, React, PostgreSQL*   Dec 2023 – Jan 2024

- Developed a Scholarship searching Website to facilitate the scholarship searching process
- Used Passport for Token Authentication in JWT Authentication Strategy
- Implemented Web Scraping using Beautiful Soap (a python library)
- Used Web Scraping to store the scholarship data from different sources to our PostgreSQL database

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R
Frameworks: Express,React, Node.js,PostgreSQL,Tailwind CSS, FastAPI
Developer Tools: Git, VS Code
Libraries: pandas, NumPy, Matplotlib
Certifications:Web Development Bootcamp by Angela yu