NAMAN TIWARI

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github.com/naman0201 leetcode.com/nanamantiwari/ geeksforgeeks.org/nanamantiwari/

Education

Rajiv Gandhi Proudyogiki Vishwavidyalaya [RGPV]   June. 2019 – May 2023
Bachelor of Technology in Computer Science and Engineering   *CGPA- 8.87*

Relevant Coursework

- Data Structures and Algorithms
- DataBase Management System
- Full Stack Development
- System Design
- Object Oriented Programming

Experience

Tata Consultancy Services   June 2023 – Present
Software Developer | Microsoft Account   *Indore, Madhya Pradesh*

- **Developed** scalable **Java-based reusable solutions** using **Spring Boot**, processing **500K+ data records daily** and exposing APIs reused across **10+ custom components**, enhancing system modularity.
- Built a dynamic user interface using **HTML, CSS, and JavaScript**, enabling business users to submit, modify, and track **100K+ data entries monthly**, with processed results seamlessly integrated from backend pipelines, improving data visibility and user efficiency by **70%**
- **Architected** a fully automated **CI/CD pipeline** using **Azure DevOps**, writing **custom PowerShell scripts** where existing services/plugins were unavailable to deploy **databases** and **Java solutions**, reducing deployment time by **90%** and ensuring seamless releases.
- Designed & integrated custom Java solutions within **Azure Data Factory** to fetch and transmit data across multiple stream sources, optimizing data processing speed by **60%** and improving system **scalability**.

Projects

Mentor-Student-Buddy | *Java, Spring Boot, ReactJS, REST API, ORM, FTP*   **Github | Video Tutorial**

- Developed a responsive web application for educational institutions using **Spring Boot** and **ReactJS**, enabling real-time updates and resource sharing between students, teachers, and management, with integrated **FTP servers** for file and assignment submission.
- Enhanced security by eliminating third-party applications within the institution, reducing exposure to sensitive data by **95%**, and implementing role-based access control (RBAC) to ensure proper authorization and resource access.
- Optimized storage efficiency by introducing an "accessed-by" clause, allowing authorized personnel to view or edit content without downloading, leading to a **65%** reduction in storage usage and improved system performance.

Sentimental-Analysis-Application | *ReactJS, Node.js, Express, Machine Learning*   **Github | Video Tutorial**

- Developed a responsive AI-based web application using **Node.js** and **Express**, integrating the **BERT model** for generating sentiment analysis reports on datasets such as Amazon reviews, Twitter tweets, and Cyber Cell investigation reports.
- Increased revenue potential by **1.6x** through analysis of customer responses, delivering actionable insights and generating reports on criminal behavior to assist investigative departments in understanding psychological conditions.
- Optimized model accuracy by **90%** by customizing separate, finely tuned menus for each use case, and integrated the **Chart.js** library for detailed emotion analysis visualization.

Certifications

Microsoft Certified: Azure Data Fundamentals   *Jan 2025*
Microsoft Certified: Azure Fundamentals   *July 2024*

Technical Skills

Languages: Java8, Python3, C++, HTML5/CSS3, JavaScript(ES6), SQL

Technologies/Frameworks: Jakarta EE/J2EE, Spring6 Core, Spring Boot, Spring MVC, ReactJS, NodeJS, ExpressJS, MongoDB, Oracle DB, Rest-Api, Redux Toolkit, Swing

Developer Tools: Azure Cloud Portal, SQL Developer, VS Code Editor, Visual Studio, NetBeans