ARYA GUPTA

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EDUCATION

Birla Institute of Technology, Mesra **Nov.2022 – 2026**
B.Tech - Artificial Intelligence and Machine Learning - ***CGPA - 7.7*** *Ranchi, India*

TECHNICAL SKILLS

- **Programming Languages:** C,C++,Python,JavaScript
- **Development and Frameworks:** NodeJS, ExpressJS, ReactJS,Redux, Context API, Material UI MongoDB, Tailwind CSS
- **Libraries and Tools:** Git/Github, Unix Shell, VS Code, Vite
- **Currently Learning:** SQL,Angular JS, Machine Learning

COURSEWORK

- **Courses:** Object-Oriented Programming,Data Structures & Algorithms, Problem-solving, Digital System Design, Computer Architectures, Mathematics for Data Science, Probability & Statistics

PROJECTS

Portfolio Website | React.js, CSS, GitHub, AnchorLink, react-simple-typewriter, react-router-dom **2024**

- Implemented a responsive and dynamic portfolio website using React.js, showcasing personal projects, skills, and experiences.
- Integrated smooth scrolling and typewriter effects with AnchorLink and react-simple-typewriter, enhancing the user experience and making the content engaging.
- Leveraged GitHub for version control to efficiently manage code changes, track progress, and collaborate, ensuring the project remained up-to-date and error-free

Fitness App | React.js, Tailwind CSS, Node.js, Express.js, MongoDB **2024**

- Developed an interactive fitness application with a horizontal scrolling menu, enabling users to navigate through exercises and body parts effortlessly.
- Utilized MongoDB for efficient data storage and retrieval, significantly enhancing the app's performance and reducing downtime by 80%.
- Integrated responsive design with Tailwind CSS, providing an optimal viewing experience across various devices.

Credit Card Fraud Detection System | Python, Scikit-learn, TensorFlow, Pandas, Matplotlib **2024**

- Developed a robust credit card fraud detection system leveraging machine learning techniques and data preprocessing methodologies.
- Implemented data preprocessing techniques including feature standardization and addressed class imbalance using SMOTE to enhance model performance..
- Conducted extensive Exploratory Data Analysis (EDA) to gain insights into data distributions and identify critical patterns indicative of fraudulent transactions.
- Achieved outstanding results with a high ROC-AUC score of 0.93 using Logistic Regression, validating the effectiveness of the implemented models.

CODING PLATFORMS

- Solved **300+** Problems on **Leetcode** & CodeStudio.
- Codeforces Rating **1000+**