Pallavee Bisoyee

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Skills

- **Programming Languages & Web Frameworks:** HTML, CSS, JavaScript, Python, Java, C++, SQL, React JS, Express, Node.js, Tailwind, Bootstrap
- **Database Technologies**: MySQL, PostgreSQL, MongoDB
- **Cloud Platforms**: Google Cloud Platform (GCP), Amazon Web Services (AWS), Microsoft Azure
- **ML and Data Technologies:** Pandas, NumPy, SciKit-Learn, and Matplotlib, TensorFlow, Spark, PyTorch
- **Development and Other Tools:** Microsoft Office Suite (PowerPoint, Excel, Word), Figma, Android Studio, WordPress, Git, GitHub Power BI, Windows PowerShell, Tableau.

Education

Master of Engineering (MEng) in Software Engineering   *September 2022 – August 2022*
Western University, London, Ontario, Canada | GPA: 3.7

Bachelor of Engineering (B.E.) in Information Technology   *August 2018 - July 2022*
Terna Engineering College, Navi Mumbai, India | GPA: 3.7

Experience

Data Science & Business Analytics Intern   *August 2021 - January 2022*
The Sparks Foundation | Mumbai, Maharashtra

- Developed a model using data from various sources to categorize plant images through advanced machine learning techniques, including K-means clustering, on a diverse Botanical Species image dataset with 1200+ entries, using **Python** and **Scikit-Learn's** KMeans module.
- Streamlined data visualization by utilizing BI tools like **Tableau** and **Power BI**, resulting in a notable 25% improvement in pattern identification and data visualization, ultimately enhancing decision-making processes.
- Maintained a consistent 90% average accuracy rate in delivering predictive solutions for diverse data science and machine learning projects, utilizing **Python** and **Jupyter Notebooks**.
- Actively engaged with a diverse community of professionals and students from over 10 different countries, fostering valuable cross-cultural connections and enhancing communication skills.

Software Developer Intern   *January 2021 - June 2021*
Venus Cargo & Logistics Pvt Ltd | Mumbai, Maharashtra

- Developed and deployed an automated invoice management solution using **Node.JS** and **Express**, resulting in a 30% reduction in API response times, enhancing operational efficiency, and enabling customer satisfaction.
- Ensured robust software performance, achieving an accessibility rate for up to 500 simultaneous users, contributing to widespread adoption among customers and distributors.
- Implemented robust mitigation strategies, reducing potential vulnerabilities by 40%, and actively contributed to the software's reliability and security, receiving acknowledgment for valuable contributions.

Academic Projects

Music Library (Angular | Node.JS | Express | MongoDB| REST API)   *October 2022 - December 2022*
- Developed a comprehensive full-stack web application using the **MEAN** stack (**MongoDB**, **Express**, **Angular** **Node.js**) along with incorporating **REST APIs** to enable users to explore, create, and manage music playlists.
- Implemented local authentication with email and password, showcasing expertise in security and user authentication, while creating user-friendly interfaces for unauthenticated users and enhancing functionality for authenticated users.
- Successfully deployed the music library web application on a scalable cloud infrastructure, ensuring high availability and performance even during peak usage while demonstrating strong problem-solving skills.

GET SET FIT - Fitness Application (Java| Android Studio | Figma | Firebase)   *July 2021 - October 2021*
- Developed a fitness Android application, 'Get Set Fit,' using **Java** and **Android Studio**, achieving a 25% increase in user engagement through real-time exercise tracking.
- Designed and executed a serverless backend using **Node.js** and integrated **Firebase** Authentication for user sign-up and login, ensuring data security and seamless user experiences.
- Employed version control with **Git**, while utilizing **Figma** for UI/UX design, to create a visually appealing and user-centric fitness app, featuring diet plans, goal analysis, water tracking, and fitness routines.