

Pallavee Bisoyee

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Results-driven software engineer with a strong foundation in web development, data science, and cloud technologies. Experienced in both academic and professional settings, with a focus on problem-solving and delivering high-quality software solutions. Eager to contribute technical expertise to a dynamic team and drive innovation.

Education

Master of Engineering (MEng) in Software Engineering

September 2022 – August 2023

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

Skills

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

Experience

Data Science & Business Analytics Intern

August 2021 - January 2022

The Sparks Foundation / Mumbai, Maharashtra

- Leveraged advanced machine learning techniques to process and analyze a diverse Botanical Species image dataset comprising 1200+ entries using **Python** and **Scikit-Learn's KMeans** module.
- Streamlined data visualization by utilizing BI tools such as **Tableau** and **Power BI**, resulting in a notable 25% improvement in pattern identification and data visualization.
- Maintained a consistent 90% average accuracy rate in delivering predictive solutions for diverse data science and machine learning projects, utilizing **Python** and **Jupyter Notebooks**.

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 optimal software performance, achieving an accessibility rate for up to 500 simultaneous users.
- Successfully implemented mitigation strategies, reducing potential vulnerabilities, 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*)

- 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.
- Successfully deployed the music library web application on a 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*)

- 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.

Leadership

- Received Scholarship for Higher Education (SHE) under Innovation in Science Pursuit for Inspired Research (INSPIRE) for performance within top 1% of the school board at class XII, by Govt. of India, March 2018.