DEVANSHU BHARGAVA

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SUMMARY

Software Engineer with experience in full-stack development and machine learning. Proficient in Python, C#, Java, .NET, SQL. Skilled in building scalable applications, APIs, and ML models with strong foundation in OOP and agile practices.

PROFESSIONAL EXPERIENCE

Associate Software Engineer, Infinite Computer Solutions   Oct 2024 – Present

- Modernized CRM platforms by refactoring .NET code and integrating RESTful APIs.
- Developed reusable C# components and optimized SQL queries for dashboards.
- Automated data processing with Python scripts, reducing manual effort by 30%.
- Performed unit testing and bug fixes, reducing issue turnaround time by 15%.

TECHNICAL SKILLS

Programming: C# , Java , Python , R Programming , Sql , Javascript
Front-End: React.js , Redux , Tailwind CSS , React Router , Axios
Back-End: Spring-Boot , Spring MVC , Spring Data JPA , Hibernate , Spring Security , ASP.NET , ASP.NET MVC
Database Technologies: MySql , PostgreSql , MongoDB
Cloud & Devops: AWS (EC2, S3, RDS, IAM), Docker, Docker Compose, Kubernetes, GitHub Actions, Nginx
Version Control: Git , Github
AI & Machine Learning: Linear Regression, Logistic Regression, A/B testing, Decision Trees, Random Forests , K-means , XGBoost

PROJECTS

TeamFusion — Full Stack Team Management Platform
Java Spring Boot, React.js, PostgreSQL, MongoDB, AWS, Kafka, Docker, Kubernetes, Python (scikit-learn)

- Designed and developed a **full-stack team management application** to streamline task delegation, **role-based access**, and **performance monitoring** across departments.
- Implemented **secure user authentication and authorization** using **JWT and OAuth2**, ensuring scalable and permission-based access control.
- Built **microservices** in **Java Spring Boot** with **PostgreSQL**/**MongoDB** and integrated **Apache Kafka** for **real-time activity tracking**.
- Deployed the system using **Docker containers** managed with **Kubernetes** and configured **CI/CD pipelines** for continuous deployment on **AWS**.
- Integrated a **machine learning module** using **Python (scikit-learn)** to analyze behavior patterns and **predict task delays or disengagement**.

Waze User Churn Prediction Model   [Link]
Python (Pandas, NumPy, Scikit-learn, XGBoost, Pickle), Seaborn, Matplotlib, Jupyter Notebook

- **Objective:** Developed a Machine Learning model to predict user churn and identify key factors to enhance user retention.
- Utilized Python libraries such as **Numpy** and **Pandas** for data preprocessing, and **Seaborn** and **Matplotlib** for data visualization.
- Conducted **Hypothesis Testing** (t-test, 5% significance) to determine impact of device type on driving behavior.
- Achieved different accuracies with various models: **Logistic Regression** (82.66%), **Decision Tree** (72.81%), **Random Forest** (81.00%), **XGBoost** (81.80%).

EDUCATION

B.Tech , Computer Science Engineering   June 2020 - June 2024
Rajiv Gandhi Proudyogiki Vishwavidyalaya

PROFESSIONAL CERTIFICATES

Google Data Analytics Certificate   [Link]

Google Advanced Data Analytics Certificate   [Link]