Samarth Bargale

Los Angeles | samarthbargale@gmail.com | +1 (657) 253-6730 | LinkedIn | Portfolio

PROFESSIONAL SUMMARY

A highly Spearheaded and motivated software engineer with a keen eye for detail, disciplined approach to coding and debugging, and proven capabilities in Software Development, Data Science and Machine Learning. Seeking to leverage former experience and unrivaled enthusiasm to build exceptional software and take on innovative projects for a company that values excellence and forward-thinking.

SKILLS

- **Programming Languages:** Java, Python, JavaScript, C++ , React
- **Databases:** Oracle Database, MySQL, MongoDB
- **Cloud & DevOps:** AWS, Kubernetes, Docker, Jenkins, Git
- **Big Data & AI:** Hadoop, Spark, TensorFlow, NLP, Machine Learning, AI Inference
- **Business Intelligence:** MS Excel, Tableau, PowerBI, Alteryx
- **General Skills:** Agile, Scrum, Data Analysis, Problem Solving, Dynamic Thinking

EXPERIENCE

Machine Learning Engineer, Tarento Technologies, Bengaluru   *July 2022 – December 2023*

- Created a Python-based Machine Learning algorithm that reduced customer churn by 15% for an e-commerce platform.
- Applied Random Forest and Logistic Regression algorithms, achieving 95% accuracy in predictive models.
- Deployed machine learning models on AWS cloud, enhancing real-time data processing by 40% and ensuring 99.9% uptime for critical applications.
- Devised Adaptive Power BI reports that improved data insights, reducing report generation time by 30%
- Assisted in deploying machine learning models on AWS, increasing real-time data processing.
- Utilized SQL for complex data queries and implemented Tableau dashboards, improving analytics reporting.

Java Development Intern, Omnisys IT Solutions, Pune   *May 2021– December 2021*

- Played a key role in developing over 5 Java applications, driving improvements in functionality and performance by 20% through close collaboration with senior developers.
- Managed the successful integration of four new functionalities into existing applications, achieving a 30% boost in user task completion rates and contributing to a 20% increase in monthly subscription renewals.
- Engineered robust applications using Java frameworks, including Spring and Hibernate; enhanced application performance by 40% while reducing load times by 25% through efficient coding practices and framework integration..
- Leveraged problem-solving skills to resolve 25+ critical issues, improving development efficiency by 20%, while adapting to shifting priorities in a fast-paced environment.

EDUCATION

Masters of Science , Computer Science   *January 2024 - Present*
California State University , Fullerton , California   **GPA 3.8/4**
Related Coursework: Machine Learning & AI, Data Science, Cloud Computing, Data Structures & Algorithms

Bachelor of Engineering (Computer Science)   *July 2019 - June 2023*
MIT World Peace University   **GPA 3.9/4**

Related Coursework: Relational Databases, Data Visualization , OOP, Data Structure

PROJECTS

Smart Inventory Management System (Java)
- Developed a Java-based Smart Inventory Management System, automating stock tracking and reducing discrepancies
- Implemented RESTful APIs with Spring Boot and integrated Hibernate ORM, improving database efficiency by 25%.
- Optimized order processing using multi-threading, increasing system throughput by 40%.

Heart Failure Prediction using Logistic Regression Model (Python)
- Analyzed complex datasets to increase survival probability prediction accuracy by 18%.
- Developed 3 predictive models for heart failure prediction with 89% accuracy.
- Achieved 90% sensitivity and 80% specificity in model evaluation for heart failure.

ACHIEVEMENTS

- National Badminton Player for Maharashtra and University Team Captain, leading a squad of 12.
- Assisted in raising $42,000 at Rotary International for humanitarian relief aid in severely affected flood areas.