Ashutosh Agarwal

📞 +91-9510163342   ✉ ashutoshagarwal100@gmail.com   💼 in/ashutosh-agarwal99/   🐙 github.com/Ashutosh-099

Experience

MAQ Software   July 2021 – Present
Senior Software Engineer — React, JavaScript, TypeScript, Python, Flask, Microservices   *Mumbai, India*

- **Product Launch Accelerator**: Built a robust web application with **React**, **JavaScript**, **Tailwind CSS** and **C# .NET** for marketing team to streamline product launches, enabling efficiency of **20+ products**, saving teams up to **24-48 hours weekly** for improved campaign planning.
- Successfully coordinated a **9-member team** in the accelerated development of a critical report management web application using **TypeScript**, **Python**, delivering **6 milestones** within a two-month time frame to ensure client requirements.
- **AI-Powered chatbots:** Developed & Integrated **10 AI-powered chatbots** into the web applications using **React**, **JavaScript**, **Material UI**, **Flask**, and advanced prompt engineering, enabling them to provide insightful responses to complex user queries, leading to a **27% increase in user satisfaction.**
- **Transcript Generator:** Created a video transcript generator and summarizer using **HTML, CSS, JavaScript ES6** and Cognitive services, enhancing video content accessibility and **reducing manual effort by more than 60%.**
- **Head Track system:** Independently developed automated headcount management system for finance team with **JavaScript**, **Python-Flask microservices**, and **SQL Server**, resulting in increased **productivity by 90%.**
- **Data collection tool:** Designed a reporting collection feature for service team in the web application with **React**, **TypeScript** and **C# ṄET** to centralize report management, **reducing efforts from hours to minutes** and enhancing collaboration and customer reach.
- Led and developed innovative web applications for top-tier clients such as **Microsoft**, **LinkedIn**, **PepsiCo** focusing on delivering scalable, high-performance solutions.
- **Recognized for excellence:** Awarded ”**Rising Star of the Quarter**” (June 2022) for developing a Head Track system and ”Champion of the Quarter” (April 2023) for creating several AI-powered chatbot frameworks.

MAQ Software   Dec 2020 – June 2021
Associate Software Engineer   *Remote*

- Refactored legacy React components and implemented **ES Lint accessibility checks**, resulting in a **20% reduction in code complexity** and **15% improvement in WCAG compliance scores.**
- Successfully handled over **50 bugs**, resulting in a **40% improvement** in overall user satisfaction.
- Formulated and executed unit tests with **Jest and Enzyme** tools, increasing test coverage by 30%.

Technical Skills

Front-end: React JS, JavaScript (ES6), TypeScript, UI Libraries (Material UI, Tailwind CSS), HTML, CSS3.
Languages & Frameworks: Python, C#, .NET, Flask, PySpark.
Version Control & Platform: Git, GitHub, JIRA, GitLab, Azure DevOps.
Database: SQL Server(T-SQL), Azure SQL DB, Firebase, MongoDB.
Other: Redux, REST API, Jest & Enzyme, Azure Cloud, Agile Methodology

Projects

Analytics Toolkit (Web application) | *React JS, JavaScript, Tailwind CSS, Python, Flask*   Github

- Developed a web-based 'Analytics Toolkit' to deliver data summaries and exploratory data analysis, including Univariate and Bivariate analysis, and clustering.
- Built microservices that utilize existing algorithms, transforming complex analysis into interactive graphs, making insights accessible to users without requiring technical expertise.
- Empowered users to easily identify patterns and trends in their data through intuitive visualizations, enabling quicker, data-driven decision-making across various datasets.

Education

Dhirubhai Ambani Institute of Information and Communication Technology   July 2019 - June 2021
MSc. : Information Technology   *CGPA : 7.00*

Veer Narmad South Gujarat University   July 2016 - April 2029
Bachelor of Computer Applications   *CGPA : 8.75*