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| **SL.No** | **Paper** | **Author** | **YOP** | **Evaluation Review** |
| 1 | Using an LLM to Help With Code Understanding | Daye Nam,  Andrew Macvean,  Vincent Hellendoorn,  Brad Myers | 2023 | The study explores the potential of integrating a conversational AI, powered by OpenAI's GPT-3.5-turbo, directly into an Integrated Development Environment (IDE) to enhance code understanding. The proposed IDE plugin allows developers to interact with the AI without needing explicit prompts |
| 2 | AI-Powered Debugging: Revolutionizing Error Detection and Correction | Jhon Owen | 2024 | This research highlights how AI-powered debugging tools are revolutionizing software development. By automating error detection and correction with machine learning and data analysis, these tools speed up debugging, reduce costs, and offer insights to prevent future errors. |
| 3 | Link IDE : A Real Time Collaborative Development Environment | Kevin Grant | 2012 | This text proposes a real-time collaborative Integrated Development Environment (IDE) as a solution for small programming teams that find traditional source control systems cumbersome. By enabling features like real-time text editing, code building, chat, and conflict detection, the IDE allows teams to work together seamlessly without the need for external tools |
| 4 | CodeXchange: Leaping into the Future of AI-Powered Code Editing | Mihir Agrawal; Jatin Goyal; Mradul Goyal; Pratham Sukhija; | 2024 | This study presents "CodeXchange," an online code editor that enhances coding and collaboration. With features like code translation, optimization, auto-commenting, and real-time teamwork, it demonstrates the potential of online tools to revolutionize programming in the digital age. |