

# Multi Functional Chatbot using Google Dialog Flow

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**Abstract:** In today's world AI is the trending and latest technology and chatbots are the AI products that make user experience easier, we present a multi-purpose chatbot designed to enhance user experiences in music and cinema entertainment while also assisting students in their job search. Leveraging HTML, CSS, and JavaScript for the front-end interface, and Node.js for the back-end, the chatbot provides personalized recommendations based on user preferences. To manage user data and preferences, PostgreSQL is used as the database, while Express.js facilitates server-side operations. Cloud SQL and Cloud Storage enable scalable storage solutions, ensuring seamless performance even with a growing user base. Additionally, Apigee is employed for API management, allowing seamless integration with external services and data sources. App Engine ensures scalability and reliability of the application, while Dialog flow CX powers the conversational interface, enabling natural language interactions. Through this project, we aim to demonstrate the potential of chatbots in providing personalized services and aiding users in various aspects of their lives, from entertainment to career development.

**Keywords:** Context Modelling, Content Management, Intent Creation, Webhook Integration, History, Google Dialog flow, Entity, Chatbot Development

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