

# Rishabh Tripathi

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## Education

### University of Mumbai

Expected June 2024

Bachelor of Engineering in Computer Engineering (GPA: 3.63 / 4.00)

Mumbai, India

- **Relevant Coursework:** Data Structures, Algorithms, Databases, Artificial Intelligence, Machine Learning

## Experience

### Software AG

June 2023 – Present

AI Intern

Mumbai, India

- Led a team of six as an AI intern, **developing** an advanced chatbot using the **React.js**, **Node.js**, **MongoDB** and LLMs including **GPT 3.5**, **Claude-2** and **Google's Gemini**.
- In the **webMethods.io Integration** now acquired by **IBM**, I conducted research and proof of concept to optimize GPT-3.5 responses for swift knowledge retrieval, showcasing AI innovation.

### Ignitus

May 2023 – June 2023

Machine Learning Intern (Remote)

Pittsburgh, U.S.A

- **Conducted Exploratory Data Analysis (EDA)** on diverse datasets, crafting Educational Notebooks to elucidate machine learning concepts for students at an educational startup. Employed **Scikit-Learn**, **Seaborn**, and **Matplotlib** to analyze data and visualize insights effectively.
- Leveraged **Logistic Regression** and applied a **Clustering algorithms** to yield actionable insights for decision-making.

### Peka Consultancy Pvt. Ltd.

May 2023 – June 2023

Full Stack Developer Intern

Mumbai, India

- **Customized websites** to exact client requirements using **PHP** and **Laravel**, ensuring tailored solutions for diverse needs.
- Executed dynamic functionalities across websites by implementing **JavaScript** logic, enhancing user engagement and interactivity.

## Technical Skills

**Languages:** Python, JAVA, C++, JavaScript, Dart

**Database:** MongoDB, Firebase Datastore, MySQL

**AI:** GPT-3.5, Claude-2, Gemini, LangChain, TensorFlow, PyTorch, Scikit-Learn

**Tools:** Git, Postman

**Web:** HTML, CSS, React.js, Node.js, Electron, Flask

## Projects

### AI Customer Support Bot | Web App | React.js, Node.js, GPT 3.5, Flask, MongoDB

- Led a team of 6 to develop a chatbot using **React.js** for a Documentation Website which leverages **Generative LLMs** to generate human-like responses to user query.
- Designed and implemented backend for the system to utilize **MongoDB** as the database to store website data and perform **Vector Similarity Search** to extract data and utilize LLM to generate answers for the user query

### Personal Finance Manager using AI | Web App | Gemini, Flask, Android (JAVA), React.js, Firebase, Pytesseract

- Integrated **AI with Conventional Budgeting Systems** to create a powerful, customized Personal Finance Assistant.
- Leveraged **Google's Gemini** to monitor and draft Monthly Budget, suggest ways to reduce spending.
- Ideated **Android App** to utilize **OCR** to capture bills and store in **Firebase DataStore**

### Handwritten Code Compiler | Android App | Python, TensorFlow, Android Studio (JAVA), Google OCR

- Ideated an **Android App** to scan Handwritten Programming Code using **OCR** to compile and test on the Go and online **Compiler**
- The JAVA (Android App) supported compiling **JAVA**, **Python**, **C++**, **Go** and **C**. This project is copyrighted: SW-18505/2024.