

# Praveen R

Full Stack Engineer

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| [GitHub](#) | [Portfolio](#)

## SUMMARY

Full Stack Engineer with a strong focus on Machine Learning, Generative AI, and scalable web application development. Passionate about building intelligent systems that solve real-world problems using AI and automation. Skilled in deploying end-to-end solutions that integrate backend systems with cutting-edge AI technologies.

## WORK EXPERIENCE

### Full Stack Engineer, BitSmart, Bengaluru, India

Dec 2024 - Present

- Spearheading integration of AI-based features into web apps, including data-driven insights and automated decision support.
- Leading a team in designing and developing full-stack applications.
- Implementing scalable and high-performance solutions for web applications.
- Collaborating with cross-functional teams to enhance user experience and security.
- Staying updated with the latest technologies and integrating best practices.

### Associate Application Developer (Internship), NILE HOSPITALITY, Bengaluru, India

Mar 2024 - Jun 2024

- Developed full-stack solutions for a customer service ticket assignment system in the purifier services sector.
- Explored opportunities to apply ML techniques for improving service assignment optimization.
- Utilized HTML, Python Flask, React.js, CSS, and MSSQL to improve system efficiency.
- Optimized user experience and system performance for seamless operations.

### Python Intern, Technofly solutions, Bengaluru, India

Jun 2023 - Aug 2023

- Automated repetitive tasks using Python scripts, reducing manual efforts by 10 hours per week.
- Created machine learning algorithms with Scikit-learn to process and analyze large datasets.
- Enhanced model accuracy by 20% through feature engineering and hyperparameter tuning.

## EDUCATION

East West Institute of Technology, Bengaluru, India - B.E, Information Science - GPA: 7.5 CGPA

Relevant Coursework: Data Structures, Algorithms, Database Management Systems, Software Engineering, Machine Learning.

CARMEL PU COLLEGE, Bengaluru, India - PUC, CLASS 12 -- GPA: 73%

May 2018 - May 2020

College Basketball Team Captain: Led a 10-member team, balancing academics and fostering teamwork.

JOHNSON GRAMMAR SCHOOL (CBSE), Hyderabad, India - Matriculation, CLASS 10 --

May 2017 - May 2018

GPA: 7.3 CGPA

Represented the school in mathematics and coding competitions.

Member of the Robotics Club, contributing to multiple projects.

## CERTIFICATIONS

Full-stack Web Development, Internshala Training

Machine Learning Algorithms, Internshala Training

Prompt Engineering for Generative AI, Internshala Training

Generative AI, Internshala Training

AI Tool Workshop, Be10X

## AWARDS

### Best Project Award

– Recognized for excellence in Machine Learning project on GDP Prediction.

## PROJECTS

### Solivox AI Assistant , [Link](#)

- AI-powered PDF Document Q&A Web App  
Developed an interactive Streamlit application that uses Google's Gemini and LangChain to process and understand PDF documents.
- Enabled users to upload files, extract contextual data using embeddings and FAISS vector search, and ask natural language questions for real-time answers. Integrated Google Generative AI APIs for embeddings and conversational response generation.

**Viper Chatbot, [Link](#)**

- AI-powered chatbot using Google Gemini API and Streamlit, featuring real-time responses and chat history retention.

**Sales Price Prediction Using Machine Learning, [Link](#)**

- Developed a Linear Regression model to predict product prices based on multiple input features.
- Deployed using Streamlit.

**Salary Prediction Using Linear Regression, [Link](#)**

- Built a machine learning model to predict salaries based on education, job title, and experience.
- Deployed using Streamlit.

**GDP Analysis & Prediction, [Link](#)**

- Machine Learning-based solution.

**Sales Analytics Dashboard, [Link](#)**

- Built using Microsoft Power BI.

**Google Stock Analysis, [Link](#)**

- Stock trend analysis using Microsoft Power BI.

**Car Rental Portal, [Link](#)**

- Full-stack web application using DBMS.

**Airline Reservation System, [Link](#)**

- File structure project.

**IoT-based Hand Gesture Unmanned Ground Vehicle, [Link](#)**

- This project introduces a groundbreaking solution in the form of a Gesture-Controlled IoT Military Vehicle with Metal Detection and Radar Surveillance capabilities.

**SKILLS**

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<b>Programming</b>	: HTML, C#, C++, CSS, JavaScript, Java, SQL, Python Flask
<b>Artificial Intelligence &amp; ML:</b>	: cikit-learn, Prompt Engineering, Generative AI (Gemini), LangChain, Feature Engineering
<b>Data Visualization</b>	: Power BI
<b>Web Development</b>	: Full Stack Development, REST APIs, Scalable Web Solutions, Streamlit
<b>Database Management</b>	: MongoDB, MSSQL
<b>Interests</b>	: Generative AI, Prompt Engineering, Natural Language Processing, AI-Powered Applications, Intelligent Chatbots