PRASHANT YADAV

Software Developer

Phone: 96672 43239
Location: Gurugram, Haryana-122505
Email: prashantraoyadav22@gmail.com
GitHub: github.com/prashantraoyadav22
LinkedIn: linkedin.com/in/prashant-yadav-coc

Education

- **Master of Technology (CS)**
  Netaji Subhas University of Technology Dwarka, Delhi
  Aug 2023 - June 2025
  CGPA:6.8

- **Bachelor of Engineering in Computer Science and Engineering (IOT)**
  Chandigarh University (CU)
  Gharaun, Punjab
  Aug 2018 - June 2022
  CGPA: 6.2

GATE Qualified

- **Computer science | 2023**
  Score :461

Soft Skills

Analytical | Communicative | Leader | Agile | Diverse

Technical Skills

- **Programming Languages:** JavaScript (JS) | Python | C | C++
- **Web Development:** HTML/CSS | React | Node.js | Express | Django
- **Machine Learning & AI:** TensorFlow | Scikit-learn
- **Database Management:** MySQL | MongoDB
- **Core Competencies:** Agile Methodologies | RESTful API | Debugging

Academic Projects

Comment Toxicity Detection Model

Python, TensorFlow, Pandas, Matplotlib, scikit-learn

Engineered a high-accuracy deep learning model in Python for comment toxicity detection, leveraging advanced algorithms to enhance text classification and analysis.

- Created **TensorFlow** datasets with caching, shuffling, batching, and prefetching, reducing data processing time by 50%.
- Implemented fully connected layers for feature extraction using **TextVectorization**, **Embedding**, and **Bidirectional LSTM**, increasing model accuracy by 20%.
- Compiled the model with **BinaryCrossentropy** loss and Adam optimizer, achieving a training accuracy of 92% and a reduction in loss by 30%.
- Trained the model, plotted training history, and achieved a precision of 89% and recall of 87% on the test set.
- Deployed the model using **Gradio**, enabling real-time comment toxicity scoring with a response time under 200 milliseconds.

E-commerce Application using React

Python, JavaScript, React, Node js, Django, MongoDB

Developed a scalable e-commerce web application with integrated features including product catalog, shopping cart, and secure payment gateway, enhancing user experience and transaction security.

- Executed 15+ front-end components using **React**, resulting in a 30% increase in user engagement.
- Implemented back-end services with **Node.js** and **Django**, managing over 5,000 API requests daily.
- Designed and managed a **MongoDB** database, optimizing queries to reduce data retrieval times by 40%.
- Utilized **Python** for server-side scripting, improving data processing efficiency by 25%.
- Integrated front-end and back-end services, leading to a 20% reduction in page load times.
- Conducted unit and integration testing with a code coverage of 85%, ensuring high reliability and code quality.
- Deployed the application and maintained server infrastructure, achieving 99.9% uptime and handling peak traffic with minimal latency.

Academic Achievements

Completed "**Introduction to Generative AI**" course on **Google Cloud**, acquiring foundational knowledge in generative AI tools and techniques for advanced AI applications.

Deployed Projects:

- Front-End React Web Application: simplycars.netlify.app
- Python-based virtual assistant to automate routine user tasks, improving efficiency and reducing manual effort.