

RUSHIKESH DESHMUKH

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Portfolio: <https://rushicode1.github.io/portfolio2/>

BE in Computer Science graduate with data science experience, skilled in statistical methods, relational databases (SQL), and machine learning. Proficient in decision trees, regression models, and data visualization with Excel and Python. Familiar with Agile project management and cloud tools like GCP to drive data insights.

EDUCATION

Bachelor of Engineering, Computer Science, **CGPA: 8.33**

Dec 2020 - Apr 2024

Shram Sadhana Bomby Trust College of Engineering and Technology, Jalgaon

Relevant Coursework: Data Structures and Algorithms, Software Engineering, Machine Learning, AI, DBMS.

PROJECTS

AI-Powered Conversational Chatbot Generator

- Developed an AI-powered conversational chatbot generator with Python and machine learning, reducing query handling time to under two minutes.
- Created a web-based interactive platform that enhanced user engagement by 30%.
- Optimized interface design and real-time processing to improve average response times by 40%.

EDA Automation System

- Implemented an Exploratory Data Analysis (EDA) Automation System, which reduced data processing and analysis times by 75%. Analysts can focus on actionable insights after automating data validation, cleaning, feature selection, and statistical analysis.
- Constructed a user-friendly tool that handled over 50,000 data points while achieving an accuracy rate of 92.5%.
- Transformed diverse datasets into 15 easily digestible charts; facilitated cross-departmental understanding of key performance indicators during strategy meetings.

Anime Recommendation System

- Designed and launched an anime recommendation system using collaborative filtering and content-based techniques, personalizing suggestions for over 10,000 users.
- Improved recommendation accuracy by 15% by factoring and tuning models continuously.
- Increased user satisfaction and retention rates by delivering more accurate and tailored content recommendations.

EXPERIENCE

Python Development Intern - Ethical Edufabrica Pvt. Ltd

Jul 2023 - Aug 2023

- Optimized an email automation application using Python, Flask, and SMTP protocols, increasing email efficiency by 25% for faster communication with clients and stakeholders.
- Designed intuitive user interfaces that improved interaction, enhancing overall usability. Conducted user testing sessions to gather feedback, informing iterative design improvements and boosting 30% user satisfaction scores.
- Integrated additional features to streamline workflows, improving overall system performance and usability.

TECHNICAL SKILLS

- Programming Languages:** Python, Excel, R, C++, Java, PySpark
- AI/ML Frameworks:** TensorFlow, Keras, PyTorch, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, OpenCV
- Database Systems:** MySQL, MongoDB, NoSQL, PL/SQL
- Cloud Infrastructure/Tools:** AWS (EC2, S3), Power BI, API, Git, GitHub, CI/CD, Jupyter Notebook
- Web Development:** Back-end: Flask, Django; Front-end: HTML, CSS, JavaScript, ReactJS
- AI Model Development & Optimization:** Generative AI implementation, model validation, data analysis, decision support, performance monitoring

CERTIFICATIONS

- Data Science Training Certificate**,
ExcelR Solutions Training Institute

Aug 2024