

SHRIYANSH AGARWAL

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Skills

Technical Skills: Python, SQL, Machine Learning, Power BI

Certification: AWS Cloud Practitioner, Applied Machine Learning with Python, Web Development by IBM

Education

- **Vellore Institute of Technology, Bhopal** (Sep 2021 – Ongoing)
Bachelor of Technology
CSE(AI and ML) - 8.87/10
- **Sanskar Public School, Gwalior** (Apr 2020 - Jul 2021)
Higher Secondary Education - 86.4%
- **Little Angels High, School, Gwalior** (Apr 2018 - May 2019)
Secondary Education-83.8%

Work Experience

Web Developer Intern, Baoiam Innovations, Aligarh (Feb 2023 - Mar 23)

- Engineered a high-performance, responsive front-end interface using HTML, CSS, and JavaScript; enhanced user engagement through creative UI/UX innovations leveraging HTTP protocols and RESTful design principles.
- Worked closely with cross-functional teams to understand business requirements and translate them into effective technical solutions, enhancing user engagement and experience.
- Developed individual web pages according to the business requirements, integrating them into a cohesive single-page application (SPA) that seamlessly merged with the main website, improving overall site functionality and increasing user engagement.

Projects

HR Analytics Dashboard (Dec 2024)

- Built an interactive HR analytics dashboard using Power BI that can be presented to stakeholders, analyzing employee attrition trends based on education, job role, salary, age, and experience, providing insights into attrition rate, employee distribution, and salary trends.
- Cleaned and transformed raw HR data using Python and SQL, designed interactive visualizations, and delivered actionable insights to optimize workforce management and retention strategies.
- Tech Stack: Power BI, Power Query, Python, Pandas, SQL, Microsoft Excel

MediConnect (Mar 2024 – Jun 2024)

- Developed an interactive credit risk analysis dashboard using Power BI to assess loan applicants' default probability, categorizing them into low, medium, and high-risk segments based on credit history, income, debt-to-income ratio, and loan amount.
- Implemented automated email confirmations, appointment reminders, and telehealth integration through client-facing web services, significantly enhancing the patient experience and increasing booking efficiency.
- Tech Stack: HTML & CSS, JavaScript, MongoDB, Express.js & Node.js, React.js

Credit Risk Analysis Dashboard

- Developed a sentiment analysis model to classify customer reviews from Amazon into positive, neutral, or negative categories, providing insights into customer satisfaction and product quality
- Analyzed financial datasets using Python and SQL, built machine learning models (Logistic Regression, XGBoost, LightGBM) for risk prediction, optimized performance with hyperparameter tuning, and designed visualizations for data-driven loan approval decisions.
- Tech Stack: Power BI, Power Query, Python, Pandas, Scikit-learn, XGBoost, SQL, Microsoft Excel.

Extra-Curriculars and Achievements

- **Fusion Club Event Management Team, Core Member** (2023)
Organized two major events, Token City and Ethnixia, attended by 250+ participants each.
- **CPCB Ideation Hackathon, Team Lead** (2023)
Led a team to develop a data-driven emissions prototype, presenting results to industry judges.