Shubhangi Vyas

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Work Experience

AI Intern|IBM   **May 2024**- Present

AI-Driven Accessibility Project (GitHub: Edu Connect AI)

- Providing sign language detection, text extraction, handwritten equation solving, and text summarization.
- Resulting in a 50% reduction in manual processing efforts and empowering educators to deliver personalized support to many students and individuals with disabilities.

Internship at MANIT, Bhopal

- Analyzed UAV behavior and performance metrics, with a focus on motor efficiency.
- Implemented MATLAB visualizations that improved design accuracy by 25%, resulting in more reliable UAV prototypes for future projects
- Gained practical experience in syncing hardware and software components for optimized UAV performance.

Projects

Blinkit Power BI Data Analysis (GitHub: Power BI Blinkit Dashboard)

- Analyzed customer and transaction data using Power BI, identifying key factors contributing to an 8% delay in order fulfillment.
- Utilized Power BI to clean, visualize, and perform statistical analysis on a dataset with 8524 records and 12 variables, uncovering actionable insights for optimizing operational efficiency.

Term Deposit Analysis (GitHub: Future Funds Oracle)

- Developed a predictive model for customer subscription to term deposits using the Portuguese Bank Marketing dataset with 21 variables and 41189 records by applying machine learning algorithms.
- Utilized Python libraries such as NumPy, Pandas, Seaborn, and Matplotlib to preprocess data, conduct exploratory analysis, and visualize results, enhancing model accuracy to 91 percent.

SSK Techno soft (Web Development) (GitHub: SSK Techno soft)

- Developed a service provider and e-learning website using HTML5, CSS3, Bootstrap, JavaScript, and PHP.
- Implemented responsive design that improved user engagement by 30%, handling over 10,000 monthly visits.
- Streamlined backend functionality, which enhanced data processing efficiency by 20% and supported seamless user interactions.

Skills and Tools:

- **Skills:** Python | Pandas | numpy | matplotlib | seaborn | SQL | HTML | CSS | JS | Bootstrap5+ |Machine learning |Deep learning
- **Tools:** MySQL | Microsoft Excel | Jupyter Notebook | PowerBI | MongoDB
- **Field of Work and study:** Statistics | Probability | Mathematics | Database | Visualization

Certifications

- Data Analytics
- Python for programmers
- AI Fundamentals
- Claude AI
- Neural Networks
- Elements of AI

Education

National Skill Training Institute (NSTI) Jodhpur with DGT and in collaboration with IBM.
Advanced Diploma (Vocational) in IT, Networking and Cloud computing   **2022 - 2024**
• ADIT which provides practical training in computer science, software development and networking. Learning about programming languages, database management, web development etc.

Banasthali Vidhyapith - B. TECH Mechatronics   **2017 - 2021**
• Mechatronics integrates mechanical, electronics, computer engineering and control systems to design and create intelligent systems and product of automation such as Automated machines and Robots. Learned MATLAB during internship.

Languages

- English
- Hindi