UMANG RAJ

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EDUCATION

Bharati Vidyapeeth College of Engineering (9.06 CGPA) Novemeber 2020 - July 2024
Bachelor of Technology in Information Technology *Pune, Maharashtra*

EXPERIENCE

OctaNet Software Services June 2023 - August 2023
Web Development Intern *Bhubaneswar, Orrisa*

- Contributed to the development of an innovation platform, focusing on website architecture and user experience optimization from landing to checkout. Achieved 25% performance improvement and 30% faster load times.
- Worked on stack of technologies including ReactJS and MySQL resulting in 35% significant enhancement in online fast load times, responsive design, visual appeal and multi page experience.
- Developed an interactive landing page for an online website clone (SpaceX) specializing in action figures, using ReactJS to make it easy and fun for users to browse about space innovation technology and research platform.

PROJECTS

Sales Insights Dashboard | *Power BI, SQL, Excel* (Link)

- Developed an interactive **sales performance dashboard** to visualize key metrics like sales growth, influential markets and declining trends.
- Integrated Power BI with SQL queries to process datasets with over **10,000 records**, providing actionable insights for decision-making.
- Automated weekly reporting, reducing manual effort by 40% and improving data accuracy for the sales team.

Customer Churn Prediction | *Python, Machine Learning, Pandas, Matplotlib* (Link)

- Designed a machine learning model to predict customer churn with **82% accuracy**, enabling targeted retention strategies.
- Analyzed customer behavior by preprocessing a dataset of **5000+ customer records** using Pandas and NumPy.
- Created visualizations with Matplotlib to showcase churn patterns based on features like demographics and usage frequency.
- Collaborated with a small team to deploy the model, reducing churn by 10% within the pilot test group.

T20 League Score Analysis | *Python, Machine Learning* (Link)

- Devised a model for IPL score forecasting, leveraging deep learning to provide real-time T20-Match predictions.
- Processed a dataset with over **5000** match records and **200,000+** data points on player and match details.
- Achieved **87% prediction accuracy** for first-inning score forecasts & reduced prediction time per query to under **0.5 seconds** for live match inputs.

COURSEWORK/TECHNICAL SKILLS

Languages	Python, C++
Web Technology	ReactJS, HTML, CSS
Database	MySQL
Version Control	Git, GitHub
Other	Power BI, Excel, Machine Learning, AWS, Computer Networks, Cloud Technologies

CERTIFICATES

The Complete Python Pro Bootcamp - UDEMY
Complete SQL bootcamp - UDEMY
Complete Web Development bootcamp - UDEMY (Dr. Angela Yu)