Ankit Pathak

Integrated Msc. Applied Geology
Indian Institue of Technology Kharagpur (2020 - 2025)

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 GitHub Profile
 LinkedIn Profile

PROJECTS

•PulseTweet - Full-Stack Twitter Clone | Scalable Social media platform

Developed a robust social media platform mimicking Twitter's core functionalities using the MERN stack

– **Authentication** : Implemented secure user authentication using JSON Web Tokens (JWT) to manage user sessions.
– **User Interaction** : Provided functionality for Profile Management, comments, suggested users, notifications etc.
– **Data Management** : Utilized React Query for efficient data fetching, caching, and state management.
– **Tech Stack** : Leveraged React.js, MongoDB, Node.js, Express, and Tailwind CSS for a responsive application.

•Prediction of Cab Availability on Booking Date | Machine Learning | Python

Developed a predictive machine learning model to forecast cab availability on specific booking dates

– **Objective** : Predict cab availability based on historical booking data - helping users plan their rides more effectively, aimed at enhancing operational efficiency for cab companies and improving user satisfaction.
– **Machine Learning Algorithms** : Implemented Logistic Regression, Random Forest, and Gradient Boosting.
– **Model Evaluation** : Assessed model performance using accuracy and F1-score to ensure reliable predictions.
– **Tech Stack** : Python (Pandas, NumPy, Scikit-learn), Data Visualization (Matplotlib, Seaborn)
– **Outcome** : Achieved satisfactory accuracy in predicting cab availability and improving customer experience.

•Real time Analysis of Bank customers | PowerBI | Data Analysis

Real time analysis of bank customers that would enable the bank managers and stakeholders to make data driven decisions

– **Real-Time Analytics** : Dynamic reporting features, allowing users to drill down into specific data points.
– **Performance Metrics** : Monitored and evaluated the effectiveness of the dashboard, incorporating feedback to continuously improve data accuracy and user experience.

EXPERIENCE

•Business Analyst intern
June - August 2024

Ozibook Tech Solutions Pvt. Ltd. — Bengaluru, Karnataka

– **Data Analysis and Insights** : Conducted in-depth analysis of sales data, utilizing SQL queries and Power BI dashboards to uncover actionable insights, leading to a **20%** improvement in targeted marketing efforts.
– **Client Engagement** : Held regular meetings with clients to gather feedback and adjust strategies, which resulted in a **10%** increase in client satisfaction and retention rates.
– **Achievements**: Led and facilitated inter-departmental meetings, improving communication and streamlining project workflows, which enhanced overall efficiency by **15%**.

•Full Stack Web Developer intern
Mar 2024 - June 2024

Pantech Solutions Pvt. Ltd. — Remote

– **Developed Full-Stack Video Testimonial Tool** : Created a robust video testimonial tool that streamlined the collection of customer feedback, resulting in a **50%** increase in testimonial submissions.
– **Cross-Functional Teamwork** : Collaborated with design, product, and QA teams to ensure seamless integration and high-quality deliverables, contributing to a **25%** decrease in bug reports and post-deployment issues.
– **Project Management and Collaboration** : Worked directly under the founder, contributing to high-profile projects with a focus on both front-end and back-end development.

TECHNICAL SKILLS AND INTERESTS

Languages: HTML, CSS, JavaScript, Python, C, C++, MySQL, PostgreSQL
Frameworks and Tools : React.js, Angular, Vue.js, Express.js, Node.js, MongoDB, Pandas, NumPy, Matplotlib
Relevant Skills: Machine learning, Deep learning, Natural language processing, Computer vision, Artificial intelligence
Software: Visual Studio Code, MS Excel, Power BI, Jupyter Notebook, BigQuery, Looker Studio
Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability, Communication, Leadership

POSITIONS OF RESPONSIBILITY

•Campus Ambassador | Unacademy
May 2022 - July 2022

Generated promotions and sales through strategic workshops, events, and online campaigns.

– **Event Management** : Organized and executed workshops and educational events, enhancing brand visibility.
– **Online Campaigns** : Conducted and managed online campaigns, leveraging social media and digital platforms to reach a broader audience and drive user engagement.