Shivam

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SKILLS

- **Languages**:   Java, Python, C++, JavaScript
- **Frameworks**:   HTML and CSS, NodeJS, React, NumPy, Pandas
- **Tools/Platforms**:   MySQL, MongoDB, Git
- **Other Skills**:   DSA , OOPs
- **Soft Skills**:   Problem-Solving, Team Player, Project Management, Adaptability

PROJECTS

Comparing Analysis Models for Next-Word Prediction | (August – December 2024)

- Designed and trained RNN, LSTM, and CNN-LSTM models on a 200,000+ word dataset (Sherlock Holmes) for next-word prediction.
- Implemented text preprocessing using NLTK (tokenization, lemmatization) and optimized hyperparameters (learning rate, LSTM units).
- Achieved 85% validation accuracy, identifying LSTM as the best model with a prediction speed of 2.3 seconds.
- **Tech:** Python, TensorFlow, Keras, NLTK, Matplotlib

E-Commerce Platform | (March – April 2025)

- Built a full-stack e-commerce application using the MERN stack, featuring dynamic product listings, shopping cart functionality, and a responsive user interface. Integrated secure user authentication, product detail views, and cart persistence. Designed with a modular component structure for scalability and ease of maintenance. Currently expanding with admin features and payment integration.
- **Tech:** React, Node.js, Express.js, MongoDB, JWT Authentication, CSS Modules

Topic Modelling and Clustering of Customer Reviews | (August – December 2024)

- Performed topic modelling on 10,000+ customer reviews using LDA and clustered reviews into five themes (e.g., "Product Quality," "Customer Service") using K-Means.
- Tuned LDA hyperparameters to maximize coherence scores and visualized clusters using PCA.
- **Tech:** Python, Pandas, Scikit-learn, NLTK, Matplotlib

Internship Portal | (February – March 2025)

- Developed a full-stack internship portal enabling users to sign up, log in, and apply for internships. Implemented JWT-based authentication and secure user data storage on the server. Designed a dashboard to display applied internships, redirecting users to login if not authenticated. Currently expanding features to enhance internship management.
- **Tech:** React, Node.js, Express.js, MongoDB, JWT Authentication, CSS Modules

CERTIFICATES / ACHIEVEMENTS

Data Structures and Algorithm for 72 hours on iamneo platform	July – November 2023
Object Oriented Programming for 72 hours on iamneo platform	July – November 2023
Google Cloud Computing - By NPTEL	July – October 2024
Introduction to MongoDB (For Students) by MongoDB	June 2024
82 hours of DSA conducted by SPRUCE, powered by Hitbullseye	June – July 2024

Seminar

- **Attended Cyber Security Summit 2023**

  Acquired comprehensive insights into the critical role of cybersecurity in the digital age, with a strong emphasis on recognizing and mitigating data phishing attacks and safeguarding sensitive information through industry best practices

EDUCATION

Lovely Professional University *Bachelor of Technology - Computer Science and Engineering;* **CGPA: 7.90**	Punjab, India *Since August 2022*
Virendra Public School *Intermediate; Percentage: 74%*	Delhi, 2022
Virendra Public School *Matriculation; Percentage: 82%*	Delhi 2020