Shivam

LinkedIn: https:// www.linkedin.com/in/shivam-gupta-16141025   Email: shivambhupeshgupta@gmail.com

GitHub: https://github.com/Shivam-guptaa   Mobile : +91-9250413435

SKILLS

- **Languages**   Java, Python, C++, JavaScript, SQL
- **Frameworks/Libraries**   NodeJS, React, scikit-learn, Pandas, NumPy, Matplotlib, HTML, CSS,
- **Tools/Platforms**   MySQL, MongoDB, Git, Jenkins, Docker
- **Soft Skills**   Problem-Solving, Leadership, Project Management, Adaptability

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PROJECTS

E-Commerce Platform   March - April 2025
- Developed a responsive full-stack e-commerce platform using MongoDB, Express, React, and Node.js, including dynamic product listings and shopping cart functionality.
- Implemented user authentication, product detail views, and persistent cart data for seamless user experience.
- Designed with modular components for scalability; currently integrating admin features and payment system.
- **Tech:** React, Node.js, Express.js, MongoDB, JWT Authentication, CSS Modules

Internship Portal   February - March 2025
- Developed a full-stack internship portal with JWT-based authentication, allowing users to sign up, log in, and apply for internships, with secure backend data storage.
- Built a user dashboard to track applied internships, featuring authentication-based redirects; currently expanding with advanced internship management features.
- **Tech**: React, Node.js, Express.js, MongoDB, JWT Authentication, CSS Modules

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

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

CERTIFICATES / ACHIEVEMENTS

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

SEMINAR

- **Attended Cyber Security Summit 2023**   April 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

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EDUCATION

Lovely Professional University   Punjab, India
Bachelor of Technology - Computer Science and Engineering; **CGPA: 7.90**   *Since August 2022*

Virendra Public School   Delhi, India
Intermediate; **Percentage: 74 %**   *March 2022*

Virendra Public School   Delhi, India
Matriculation; **Percentage: 82%**   *March 2020*