DIVYANSHU YADAV

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Education

Kalinga Institute of Industrial Technology, B.Tech in Computer Science and Engineering	*2022 – 2026*
St. Joseph's College Allahabad, Class XII (ISC)	*2022*
St. Joseph's College Allahabad, Class X (ICSE)	*2020*

Internship Experience

Software Developer Intern, Frantic Infotech Pvt. Ltd. — *May 2025 – Jun 2025*
- Drove a 15% increase in user engagement by engineering and deploying two full-stack MERN applications.
- Reduced server response time by 20% by optimizing back-end performance through refactoring Node.js APIs.
- Enhanced application stability by 30% by identifying, troubleshooting, and resolving over 15 critical production bugs.

Web Developer Intern, Codsoft — *Aug 2024 – Sep 2024*
- Independently managed the full project lifecycle to design, develop, and launch 3 responsive web applications using the MERN stack.
- Secured user data by implementing robust user authentication and authorization features using JSON Web Tokens (JWT).

Projects

Neural Network Modeling for Classification & Forecasting :github: — *Machine Learning*
- Developed and trained neural network models using Python, TensorFlow, and Keras for classification and forecasting.
- Engineered data pipelines using Scikit-learn and NumPy for preprocessing and evaluation.
- Visualized model performance using Pandas, Matplotlib, and Seaborn.

Srimad Bhagavatam AI Chatbot :github: — *AI & NLP*
- Engineered an AI chatbot using Python, Flask, and LangChain-powered RAG for accurate responses.
- Integrated OpenAI embeddings with Pinecone/ChromaDB vector databases for efficient semantic retrieval.
- Built a responsive frontend with citation-based output to ensure accuracy and trust.

Full-Stack E-commerce Platform :github: — *Web Development*
- Built a React-based e-commerce frontend with cart, checkout, and product search.
- Designed a backend with Node.js and 15+ RESTful APIs.
- Integrated MongoDB for persistent data storage using Mongoose.

Positions of Responsibility

Editor, TPH – The Philanthropy Hand — *Jul 2024 – Present*
- Increased Instagram reach by 40% through designing 20+ engaging posters using Figma.

Head Prefect, Green House, St. Joseph's College — *Jul 2021 – May 2022*
- Led coordination for 1,000+ students; secured 4 house trophies.

Football Captain, St. Joseph's College — *Jul 2021 – May 2022*
- Directed team strategy and player coordination over 5 years.

Technical Proficiency

Languages: C, Java, Python, HTML, CSS, JavaScript

Frameworks & Libraries: React.js, Node.js, Bootstrap, Tailwind CSS, NumPy, Pandas

Databases: MongoDB

Tools & Platforms: Git, GitHub, AWS

Volunteer Experience

Volunteer, TPH – The Philanthropy Hand — *Jul 2024 – Present*
- Consulted 50+ individuals weekly, improving access to essential services by 25%.
- Supported TPH Animal Feeding Project, caring for 100+ animals.