

Yash

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Education

University of Petroleum and Energy Studies , B. Tech in Computer Science	August 2022 – May 2026
• GPA: 7.78/10.0	
KM Academy, Asarganj, Munger , Class XII	2019-2021
• Percentage: 78.8%	
DAV Public School ,Munger , Class X	2019
• Percentage: 82.0%	

Work Experience

Freelance Web Developer - Frinzo  frinzo.in	Nov 2025
• Designed and developed a modern, user-friendly website for Frinzo, a product-based company specializing in natural beverages.	
• Showcased "Palm Nectar," a labelled and flavored natural beverage, by creating an engaging UI that effectively highlights its health benefits.	
• Optimized the website structure and visual hierarchy to enhance product discoverability and user experience.	
Freelance Full Stack Engineer – Saree Platform  desitana.com	Aug 2025
• Developed a responsive saree e-commerce platform that increased user engagement by 30% and implemented secure authentication protocols for customer and admin access.	
• Devised a comprehensive dashboard with admin privileges for streamlined order and product management.	
• Incorporated automated WhatsApp notifications to enhance order confirmation and customer engagement.	
Full Stack Intern - Aagati Serve Pvt. Ltd  certificate	Jun 2025 – Aug 2025
• Expanded and maintained responsive user interfaces using HTML, CSS, JavaScript, React.js, and Angular, merging with Azure cloud services for deployment and scalability.	
• Managed MySQL and PostgreSQL databases, and proactively solved technical blockers and complex issues throughout the project lifecycle.	
• Collaborated with the development team on code reviews, testing, and smooth delivery across all stages of web application creation.	
AI Developer Intern - Pheme Software  certificate	Jun 2025 – Jul 2025
• (IBM Business Partner) Engineered a "University Helpdesk Chatbot" utilizing a Python backend and React frontend to automate student query resolution.	
• Trained a BiLSTM neural network model on a self-created dataset to enhance Natural Language Processing (NLP) accuracy and context awareness.	
• Integrated the chatbot into a live web environment, ensuring seamless communication between the user interface and the inference engine.	
Web Developer - TrueSamp  truesamp.com	Aug 2024 – Nov 2024
• Planned and built a finance-based company's website, ensuring a user-friendly and responsive interface.	
• Introduced a real-time chatbot using Tawk API to enhance customer engagement and support.	
• The project is yet to be launched, but successfully delivered with all core functionalities outlined.	
Social Impact Intern - Elixir Foundation  certificate	Jun 2023 – Jul 2023
• Spearheaded the "Adolescents and Young People Initiative" in partnership with UNICEF to drive social awareness and community engagement.	
• Directed content strategy, social media campaigns, and fundraising efforts to support marginalized	

demographics.

- Conducted on-ground field research and data surveys to assess program impact and optimize future outreach strategies.

Projects

Mobile Banking App for visually impaired

github.com/yash/Banking

- Outlined and created an accessible mobile banking application using React Native, merging voice-driven navigation and interaction to enable inclusive banking for both visually impaired, and sighted users.
- Incorporated AssemblyAI speech-to-text API for real-time voice recognition and implemented a custom NLP-based command parser to execute critical operations like login, balance inquiry, fund transfer, and logout through voice commands.
- Constructed a modular, event-driven architecture leveraging component-based design, state management, and dynamic routing.
- Tools Used: React Native, Expo, Javascript, AssemblyAI API, ML Model

Voila - AI-Powered Ppt generator

github.com/yash/voila

- Architected a GenAI platform integrating Google Gemini for text generation used in slides and a custom GRU model for intelligent PDF-to-PPT conversion.
- Engineered a proprietary parsing pipeline using python-pptx to restructure document content into editable slides, enabling dynamic theming, custom watermarks, and background injection.
- Tools Used: React, Python, Google Gemini API, GRU, python-pptx, Deep Learning.

Music player with advanced recommendation system

github.com/yash/Music

- Constructed a music streaming platform where users can listen to songs stored in an SQL database.
- Planned and blended a recommendation system using content-based and collaborative filtering techniques.
- Tools Used: Java, JavaFX, MySQL, IntelliJ

Image caption generator

github.com/yash/GenAI

- Improved an end-to-end GAN-based image captioning system, leveraging DenseNet201 for high-fidelity visual feature extraction and LSTM for linguistically coherent text generation.
- Orchestrated a seamless frontend interface enabling real-time image uploads and dynamic caption output, bridging user interaction with deep learning inference.
- Tools Used: Python, TensorFlow / Keras, Flask, HTML, CSS

Technical skills

Programming Languages: Java, JavaScript, Python, C

Web Development: HTML, CSS, ReactJS, React Native, Node.js, Flask

Databases: MySQL, MongoDB, Firebase

Development Tools and Platforms: VS Code, IntelliJ, Jupyter Notebook, XAMPP

Cloud and Deployment Services: Render, Netlify, Streamlit, GitHub

Concepts and Paradigms: Machine learning, Deep learning, Object-Oriented Programming (OOPs), DSA

Extra Curricular

- Badminton
- Writing Novels and Poems
- Singing, playing instruments(Guitar, Piano, Flute)