

# Yash

Dehradun, Uttarakhand | yk73690932@gmail.com | 6202437607 | yash12.netlify.app | linkedin.com/in/Yash  
github.com/Yashsingh1224

## Education

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

## Work Experience

<b>Freelance Web Developer - Frinzo</b>  frinzo.in	Nov 2025
<ul style="list-style-type: none"><li>Designed and developed a modern, user-friendly website for Frinzo, a product-based company specializing in natural beverages.</li><li>Showcased "Palm Nectar," a labelled and flavored natural beverage, by creating an engaging UI that effectively highlights its health benefits.</li><li>Optimized the website structure and visual hierarchy to enhance product discoverability and user experience.</li></ul>	
<b>Freelance Full Stack Engineer – Saree Platform</b>  desitana.com	Aug 2025
<ul style="list-style-type: none"><li>Developed a responsive saree e-commerce platform that increased user engagement by 30% and implemented secure authentication protocols for customer and admin access.</li><li>Devised a comprehensive dashboard with admin privileges for streamlined order and product management.</li><li>Incorporated automated WhatsApp notifications to enhance order confirmation and customer engagement.</li></ul>	
<b>Full Stack Intern - Aagati Serve Pvt. Ltd</b>  certificate	Jun 2025 – Aug 2025
<ul style="list-style-type: none"><li>Expanded and maintained responsive user interfaces using HTML, CSS, JavaScript, React.js, and Angular, merging with Azure cloud services for deployment and scalability.</li><li>Managed MySQL and PostgreSQL databases, and proactively solved technical blockers and complex issues throughout the project lifecycle.</li><li>Collaborated with the development team on code reviews, testing, and smooth delivery across all stages of web application creation.</li></ul>	
<b>AI Developer Intern - PHEME Software</b>  certificate	Jun 2025 – Jul 2025
<ul style="list-style-type: none"><li><b>(IBM Business Partner)</b> Engineered a "University Helpdesk Chatbot" utilizing a Python backend and React frontend to automate student query resolution.</li><li>Trained a BiLSTM neural network model on a self-created dataset to enhance Natural Language Processing (NLP) accuracy and context awareness.</li><li>Integrated the chatbot into a live web environment, ensuring seamless communication between the user interface and the inference engine.</li></ul>	
<b>Web Developer - TrueSamp</b>  truesamp.com	Aug 2024 – Nov 2024
<ul style="list-style-type: none"><li>Planned and built a finance-based company's website, ensuring a user-friendly and responsive interface.</li><li>Introduced a real-time chatbot using Tawk API to enhance customer engagement and support.</li><li>The project is yet to be launched, but successfully delivered with all core functionalities outlined.</li></ul>	
<b>Social Impact Intern - Elixir Foundation</b>  certificate	Jun 2023 – Jul 2023
<ul style="list-style-type: none"><li>Spearheaded the "Adolescents and Young People Initiative" in partnership with UNICEF to drive social awareness and community engagement.</li><li>Directed content strategy, social media campaigns, and fundraising efforts to support marginalized</li></ul>	

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](https://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](https://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](https://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](https://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)