YUG KAPRI

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EDUCATION

PRANVEER SINGH INSTITUTE OF TECHNOLOGY Kanpur, MCA Expected July 2026
Major in Computer Science
Relevant Coursework: Database Management System; Operating Systems; Data Structure & Algorithms; Web Technology; Object Oriented Programming; Discrete Mathematics, Artificial Intelligence, Software Engineering, Computer Fundamentals

SHRIRAM INSTITUTE OF MANAGEMENT AND TECHNOLOGY Kashipur, BCA Oct 2021 - May 2024
Bachelor in Computer Science
Relevant Coursework: Database Management System; Operating Systems; Data Structure & Algorithms; Web Technology; Object Oriented Programming; Artificial Intelligence; Discrete Mathematics; Software Engineering, Computer Fundamentals

SAI PUBLIC SCHOOL|SENIOR SECONDARY|CBSE BOARD Kashipur, Uttarakhand
Study English, Physics, Chemistry, Mathematics with Computer Science April 2020 - Jul 2021

SAI PUBLIC SCHOOL|HIGH SCHOOL|CBSE BOARD Kashipur, Uttarakhand
Study English, Hindi, Science, Social Science, Mathematics with Computer Science April 2018 - Jul 2019

PROJECTS & EXPERIENCE

SENSAI - AI CAREER COACH Sep 2025
- Developed an AI-powered career guidance platform providing personalised coaching, interview preparation and growth tools
- Built with a modern full-stack architecture using Next.js, Tailwind CSS, Shadcn UI, Prisma with Neon (serverless Postgres), Clerk (authentication), Inngest (event workflows), and Google Gemini API for AI-powered features.
- **Live Link: https://sensai-vert-ten.vercel.app/**

AWS NETWORKING ARCHITECTURE Dec 2025
The objective of this project is to design a **secure AWS network architecture** where:
- Public resources can access the internet, Private resources remain isolated
- Controlled outbound internet access is provided using a NAT Gateway, Traffic flow is managed using route tables and NACLs
- Link: https://github.com/Yug-Kapri/aws-networking-architecture

DATA VENDING MACHINE Jan 2026
- **Data Vending Machine** is an internal developer tool that lets you query a PostgreSQL database using plain English
- Data Vending Machine — An intelligent, Streamlit-based interface that transforms natural language into SQL queries using GPT-4o-mini and securely executes them on PostgreSQL with explainable results, pagination, and built-in error handling.
- Natural-language → SQL conversion using an MCP tool and a fallback generator.
- Link: **https://github.com/Yug-Kapri/data_vending_machine**

ADDITIONAL

Technical Skills: HTML/CSS, JavaScript, React, Next.js, Tailwind CSS, Node.js, Express.js, MongoDB, Python, Java, three.js, Linux, git & GitHub, AWS (IAM, EC2, S3, Lambda, EBS, ELB & ASG, RDS, DynamoDB, AMI, VPC, Route53, ECS, EKS, CloudFront), Terraform, Ansible, Jenkins.
Portfolio: https://yug-kapri-portfolio.vercel.app/
Certifications & Training: React - The Complete Guide 2024 (incl. Next.js & Redux), AWS Cloud Practitioner Essentials, Career Essentials in Software Development by Microsoft and LinkedIn