Yash Mishra

Kanpur-Nagar UP

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Education

Dr. Virendra Swarup Institute of Computer Studies   **2019 – 2022**
Bachelor of Computer Applications   *Kanpur, Uttar Pradesh*

Pranveer Singh Institute of Technology   **2023 – 2025**
Master of Computer Applications   *Kanpur, Uttar Pradesh*

Experience

TripandThrill (McGeeks Mechatronics Pvt. Ltd.)   **July 2025 – Present**
Full Stack Engineering Intern   *Kanpur, Uttar Pradesh*

- Developed backend REST APIs using Node.js and MongoDB for efficient data handling.
- Built responsive front-end interfaces with React.js and Tailwind CSS.
- Gained hands-on experience in n8n workflow automation, API integration, and CI/CD deployment.
- Learned AI automation techniques and practical deployment of web applications.

Projects

Menter-AI-Chatbot Link | *Node.js, Express, React, Redis, LangChain, Qdrant, Gemini API*

- Developed an AI-driven chatbot using Node.js, Express.js, and React to provide mentorship assistance through natural conversations.
- Implemented PDF upload and parsing with Multer and LangChain PDF Loader to allow users to upload learning materials.
- Integrated Google Generative AI (Gemini API) for conversational AI and used Google Embeddings with Qdrant Vector Database for semantic search and context retrieval.

Book Recommendation System Link | *Python, Flask, Pandas, NumPy, Scikit-learn, HTML, CSS,*

- Designed a Flask web app with dynamic A–Z book browsing, search functionality, and personalized recommendations.
- Implemented a Cosine Similarity-based recommendation engine, processing 100K+ user ratings to deliver top book suggestions.
- Created an alphabetical A–Z browsing feature to simplify discovery, reducing search time by 50%.

DocEase - Doctor Recommendation Web App Link | *React.js, Node.js, Express.js, MongoDB, Postman*

- Developed a full-stack doctor appointment and recommendation platform with 3-level role-based authentication (Admin, Doctor, Patient) ensuring secure and personalized access.
- Implemented RESTful APIs for appointment booking, feedback submission, and admin controls using Express.js and tested endpoints with Postman.
- Designed an optimized MongoDB schema for efficient storage and retrieval of users, appointments, and ratings data.

Technical Skills

Programming Languages : Python, C++, C, JavaScript, SQL
Web Development : HTML/CSS, Node.js, Express.js, React.js
Data Science / AI & ML : NumPy, Pandas, Machine Learning, Artificial Intelligence
Developer Tools : Git/GitHub, Visual Studio Code, AWS Cloud

Certifications / Extracurricular

- Oracle Generative AI Certification – Completed training and hands-on projects in AI and language models.
- AWS Cloud Practitioner Certification – Gained foundational knowledge of AWS cloud services and architecture.
- Solved 150+ coding problems on LeetCode, strengthening problem-solving skills and algorithmic thinking.