

Deepank Singh

Final year, Information Technology

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EDUCATION

Rajiv Gandhi Institute of Petroleum Technology (RGIPT), Bangalore 2021-2025
BTech in Information Technology (CPI: **9.01**)


DAV Public School , Ambala , Haryana 2021
Intermediate (Score: **91.02%**),
Matriculation (Score: **97.60%**)

WORK EXPERIENCE


Salah- kart | Remote (SDE intern) May'2024

- Architected and implemented an RBAC system using Node.js and MongoDB, enhancing security for 100+ users. Optimized protocols and queries, reducing unauthorized access by 95% .
- Engineered a resume analysis system integrating BARD model and Scrapy, processing 1000+ resumes with 91% accuracy. Developed scoring algorithm evaluating action verbs, vocabulary, and task impact, boosting resume efficiency by 60%.
- Integrated Google Gemini API to generate tailored interview questions for 10+ positions across industries, improving candidate quality by 45% and streamlining the recruitment process.


PROJECTS

Pathshala- Edtech Platform Live(</>) 

- Created a full-stack EdTech website using React.js and Express.js, featuring 3 user portals (teachers, students, and admins), with robust authentication and authorization mechanisms for students and instructors, supporting over 50 courses with video lectures.
- Integrated Razorpay SDK to handle all types of payments, including UPI, credit cards, and debit cards, ensuring secure and seamless payment transfers.
- **Tech Stack:** Reactjs, ExpressJs & Nodejs, MongoDB, Cloudinary(for cloud upload), Razorpay SDK, Twailwind Css.

Pexel chat-A online AI Chat Application Live(</>) 

- Developed a real-time chat application enabling seamless online conversations between users and integrated AI features such as message summarization and question answering to enhance user experience using Cohere API.
- Implemented WebSocket-based communication for instant messaging and used MongoDB to store chat history. Ensured data security using JWT-based authentication and password hashing with bcrypt.
- **Tech Stack:** ReactJS, Daisyui, Express & Nodejs , MongoDB, WebSockets, Cloudinary, Twailwind Css.

3-D Sheet Customizer Live(</>) 

- Engineered an interactive 3D web app with Three.js, allowing users to customize shirts and enhancing the virtual shopping experience with 92% customer satisfaction.
- Integrated Three.js to leverage user interaction by 45% and boosted sales conversion rates by 30% through personalized product customization.
- **Tech Stack:** ReactJS, Twailwind CSS, Three js, Node js, Express js.

More Projects(</>) : **Web Development** **Data Science** **Cyber Security**

SKILLS

Programming Languages: C++, JavaScript, Python, SQL

Web Skills : React.js , Node.js, Express.js, JWT token , Firebase , MongoDB , Postgresql , MySQL , Post-man, Apache kafka, WebSockets , Redux, Zustand , Tailwind CSS , TypeScript .

DevOps Skills: Linux, Docker , CI/CD(Jenkins) , AWS(EC2), Nginx.

ML Skills : Pandas, NumPy, Scikit-learn , Regression models , NLP, NLTK , ARIMA (Time Series) , Data Preprocessing.

Other Skills: RESTful APIs, Microservices Architecture, Pen-testing(Web), Kali linux Tools, Git, High-Level Architecture.

Courses : Computer Networking , Web-Pentesting , Database Management, Data Structures, Algorithms, Web Technology, Cyber Security.

POSITION OF RESPONSIBILITY

- OWASP | Technical Head : Responsible for Leading and teaching over 400 student fundamental of Cyber Security.
- Technical Head | Engergia: Developed the official website for college sport fest **ENERGIA**.

ACHIEVEMENTS

- Achieved finalist position in Rajasthan Police Hackathon 1.0, exhibiting innovative problem-solving capabilities in cyber Security.
- Achieved Rank 3 (Till date) in IT Department students in the CSE.
- Achieved a top 2% rank in the IIT-JEE Advanced 2021 exam.