



# RAJVEER

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## Education

**Indian Institute of Technology, Delhi**

Bachelor of Technology, Engineering Physics

2018 - 2022

## Skills

<b>Programming Skills:</b>	Java, JavaScript, Python, Django, NodeJS, NestJS, SpringBoot, FastAPI, PostgreSQL, MySQL, Redis
<b>Cloud:</b>	AWS ECR, ECS, EC2, RDS, EFS, security Groups, Cognito, VPC, S3, IAM, CloudFront, Subnet, ACM, SSL
<b>Miscellaneous:</b>	Docker, kubernetes, Git, GitHub, GPT-4 APIs, Integration, CI/CD, Microservices Architecture, Bubble.io

## Work Experience

**Panscience AI Healthcare Pvt. Ltd.**

*Delhi, India*

**Backend And DevOps Engineer**

*Feb 2023 - Present*

- Architected and executed a **microservices** infrastructure for diverse healthcare modules, enhancing scalability and maintainability.
- Led the creation of dedicated **authentication** and **authorization servers** and established a robust **API gateway**.
- Transitioning from **monolithic** to **10+ microservices** architecture for enhanced load management and reduced downtime.
- Oversaw **FHIR server integration**, navigating intricate healthcare data challenges to achieve **compliance with industry** standards. Emphasized secure data exchange and interoperability, amplifying system compliance and scalability of healthcare data.
- Integrated 100+ API's of Ayushman Bharat Digital Mission (**ABDM**) in the Application in **nestJS** along with security Compliance.
- Implemented advanced database solutions utilizing **PostgreSQL**, **MongoDB**, and **Neo4j**, augmented by **Elasticsearch** and **Redis** for optimized data querying and **caching**, elevating processing efficiency and retrieval speed along with secure File upload.
- Drove **CI/CD** endeavors with **GitHub Actions** and GitLab, refining deployment processes and fortifying system reliability.
- Spearheaded the development of the Parchaa PHR application, orchestrating the **system design** and frontend development using **no-code platform Bubble.io**, while balancing system design considerations with pragmatic limitations and advantages.
- Designed and rolled out comprehensive **cloud architecture from inception to deployment**, prioritizing robust **security practices**, including advanced configurations of security groups, load balancers, IAM roles, and other security measures to ensure the highest level of data protection and system integrity. Also reduced the cost of AWS monthly bills by 40%.
- **Integrated GPT-4 APIs**, designing innovative AI applications in backend systems to augment functionality and user engagement.

**FarEye Technologies Pvt. Ltd.**

*Noida, India*

**Backend Developer**

*Sept 2022 - Jan 2023*

- Integrated multiple carrier/client systems with FarEye platform, utilizing **Spring Boot**, **REST/SOAP**, **JavaScript**, and more.
- Demonstrated proficiency in handling **SFTP** servers, **AWS S3**, and **databases** (JSON/XML) for efficient **integration**.
- Led a team to victory in a rigorous three-day internal development competition. Replicated BookMyShow from scratch using **Java Spring Boot**, **PostgreSQL**, **ReactJS/React Native**. Developed a comprehensive platform enabling end-users to book tickets and administrators to manage movies, theaters, and shows.

**Nexmatics Pvt. Ltd.**

*Delhi, India*

**Software Development Engineer, INTERN**

*Jun 2021 - Aug 2021*

- Designed **backend** system for logging data coming from 50+ sensors over 4 regions, **800 data points every 5 seconds**
- Analyzed real time data using **plotly** and **dash libraries** to alarm and rectify out of range data from a specified region
- Implemented **Regression and Decision-making models** in ML to predict the value coming from dependent servers.
- Conducted **exploratory data analysis & utilized data visualization techniques**, achieving a model accuracy of 87%.

**E-tex Pvt. Ltd.**

*Delhi, India*

**Product Prototyping, INTERN**

*Oct 2018 - Jan 2019*

- Presented compression therapy research at the **6th International Conference** on Textile Technology in New Delhi.
- Developed innovative textile-based product specializing in compression therapy, featuring a **unique sequential bladder design** for enhanced patient relaxation.

## Academic Projects

**Online Burger Store Development**

*Jan 2022 - Mar 2022*

- Developed a system having Multiple Billing Counters and Delivering facilities for increasing the efficiency of customer service. Used **Min Heap** for queuing the customer for billing and **Binary Tree** for completing delivery purposes

**Storing hierarchical structure of a company**

*Jan 2022 - Mar 2022*

- Created an **Organizational Hierarchy** to maintain the list of employees in a company. Used **Search Trees** for storing indexes on the records. Whenever possible tried to execute in  $O(\log N)$  time complexity and optimized space