Karan Singh Rathore

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 github.com/Karan-SinghRathore +

PROFILE SUMMARY

Seeking a position in a reputed organization where I can learn new skills, expand my knowledge, and leverage my learnings. I wish to work in a team of motivated individuals who wish to work towards the advancement of the company and its goals.

Education

Government Engineering College *Ajmer, Rajasthan*
B.Tech in Computer Science and Engineering *Aug 2021 - June 2025*

- GPA: 7.93/10.0
- **Coursework:** Computer Architecture, Learning Algorithms, Computational Theory

Experience

Junior Software Engineer *Jaipur, Rajasthan*
KVON Tech Pvt. Ltd. *April 2025 - Present*

- As a MEAN Stack Developer, I have been responsible for developing and maintaining full-stack web applications using MongoDB, Express.js, Angular, and Node.js
- I work on building responsive and user-friendly front-end interfaces with Angular and designing robust RESTful APIs for seamless back-end integration.
- Redesigned and optimized the backend architecture of Amora, a dating app, using Node.js—enhancing API performance and ensuring scalable session-based authentication and real-time matchmaking capabilities

Machine Learning Intern *Remote*
Atharvo India Pvt. Ltd. *Aug 2024 – Sept 2024*

- Completed a 1-month intensive Machine Learning program focused on data preprocessing, feature engineering, and evaluation technique
- Built and evaluated supervised learning models like Linear Regression, Decision Trees, and SVM for real-world datasets.
- Gained hands-on experience in unsupervised learning algorithms such as K-Means Clustering and PCA using Python and Scikit-learn.

Projects

Pushpanjali

- Developed RESTful APIs for user registration, login, flower booking, ritual scheduling, admin panel access, and booking history..
- Created and managed database schemas in MongoDB, including collections for users, bookings, flowers, rituals, and admin logs.
- Worked on backend logic for real-time booking status, date/time filtering, and booking confirmation triggers.
- Tools: MySQL, Node.js, express.js, js

CSS animation playground *Github*

- Developed a real-time CSS compiler where users can write custom keyframes and style code directly in the browser.
- Integrated a live previewer that dynamically applies user-defined animations to preview elements without refreshing the page.
- Implemented a responsive, dark-themed UI with custom glowing buttons and animated SVG blobs.

- Live at [Site ↗](#)
- Tools: HTML5, CSS3, JavaScript, LocalStorage, GitHub Pages, Git, VS Code

Banking System *[Github ↗](#)*

- Built a desktop-based banking system using Java Swing and AWT, allowing users to perform operations like account creation, deposit, withdrawal, and balance inquiry.
- Applied object-oriented programming concepts such as inheritance, encapsulation, and abstraction to manage different modules like customer, account, and transaction.
- Tools: Java, Java Swing, AWT

Technologies

Languages: Java, JavaScript, HTML/CSS, Python,MySQL

Frameworks/Libraries: Angular.js, Bootstrap, node.js, express.js,OpenCV

Technologies: Postman, Git, GitHub, Figma, MongoDB