

# Raja Abrar Khan

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## EDUCATION

### Bachelor of Engineering, Computer Science , CGPA: 7.6/10

Sept 2021-2025

Government College of Engineering and Technology, Jammu

*Courses:* Data Structures & Algorithms, Java OOP, Web Applications, C, C++, Operating System, Computer Networks, Compiler Design.

*Achievements:* Qualified for Prelims in *ISRO Robotics Challenge 2024-URSC*, Active member at *Startup Cell GCET Jammu* in organizing and managing workshops and events.

## TECHNICAL SKILLS

**Programming Languages:** Java , Python, C, C++, JavaScript .

**Web & Database:** HTML,CSS, React , Nodejs , Express js , PostgreSQL, Prisma, MongoDB, Tailwind CSS, SCSS, BootStrap.

**Frameworks & Tech:** Nextjs, NumPy, Matplotlib, Git , Github, Visual Studio, Word , VS Code.

**Languages:** English, Hindi .

## WORK EXPERIENCE AND OPEN SOURCE CONTRIBUTIONS

### Grok Digital- Remote

June 2024 - Aug 2024

#### Software Engineer Intern

- Designed and implemented a real-time data visualization dashboard for monitoring and analyzing data from the entire institute.
- Built interactive data plots and charts to provide insights and facilitate decision-making based on real-time information.
- Collaborated with team members to integrate various data sources, optimize performance, and enhance user experience.

### Creative Commons - Open Source Contributor

Oct 2024 - Nov 2024

- Contributed to the Creative Commons Vocabulary repository by fixing bugs, enhancing UI components, and proposing new features.
- Raised several pull requests, with five merged into the main project, highlighting key contributions to open-source development.

### Hacktoberfest 2024:

October 2024

- Contributed to open-source projects by fixing bugs, enhancing features, improving documentation, and collaborating globally .
- Gained experience with version control like Git and platforms like GitHub, actively contributing to collaborative software projects.

### GSSoC 2024:

Oct 2024 - Nov 2024

- Worked on developing new features and optimizing codebases for open-source projects.
- Gained valuable experience in remote teamwork and project management through active participation in GSSoC 2024.
- Enhanced technical skills by contributing to a large-scale open-source initiative, fostering community engagement and collaboration.

## PROJECTS

### PriceHunt – Real-Time Price Comparison Tool - [Github](#)

Feb 2025 - Mar 2025

- Developed *PriceHunt*, an intelligent price-tracking platform that analyzes real-time fluctuations across top e-commerce sites.
- Engineered a scalable backend using Flask and REST APIs to fetch, parse, and serve product data with precision and minimal latency.
- Crafted an intuitive frontend in React and Tailwind CSS, allowing users to search products, compare prices, and manage alerts.
- Implemented a PostgreSQL-based alert module to instantly notify users via email when selected items reach or drop below target prices.

### E-commerce – ML based e-commerce - [Github](#)

Dec 2024 – Jan 2025

- Collaborated with team to develop Full-Stack E-commerce website using Microservices architecture, ensuring scalability and flexibility.
- Implemented backend queries with Prisma ORM and PostgreSQL for efficient data management and optimized performance.
- Adopted Agile methodology, using Jira for sprint planning, task tracking, and ensuring timely progress and delivery.
- Built a responsive, user-friendly interface using SCSS and Material UI, with the backend developed in Node.js and Express.js.
- Integrated an AI/ML-based recommendation system to personalize the shopping experience, deployed and fully operational via API.

### Muzer – Real-Time Music Video Voting App- [Github](#)

Sept 2024 - Nov 2024

- Developed Muzer, a dynamic platform where users can submit music video links and vote for their favorites. The most upvoted video automatically plays next, creating a collaborative and ever-changing playlist experience.
- Designed and implemented a voting system with automatic video queuing, using Prisma ORM and PostgreSQL for data management.
- Built a responsive and user-friendly interface using Tailwind CSS, and developed the backend with Node.js and Express.js.
- Adopted Agile, conducting iterative development cycles and managing tasks effectively to ensure seamless project progression.
- Planned future upgrades include Real-Time Collaboration features and a 40-Song Playlist Limit for a dynamic, manageable experience.

## CERTIFICATIONS

### Front-End Development - [Coursera](#)

December 2023

### Programming in JavaScript- [Coursera](#)

January 2024

### Machine Learning Specialization- [Coursera](#)

December 2023

### Meta React Basic- [Coursera](#)

June 2024