

# RANJAN KUMAR

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## Education

**Chandigarh Engineering College, Landran**

**2020 - 2024**

*Bachelor of Technology in Electronics and Communication Engineering*

*GPA: 8.20*

## Experience

**Solitaire Infosys Pvt. Ltd.** | [Certificate](#)

**July 2022 – August 2022**

*Frontend Developer*

*Mohali, Punjab*

- Delivered a **responsive web application** for facilitating the adoption of stray animals, utilizing **React.js** and **Bootstrap** to create an intuitive and visually engaging user interface.
- Collaborated within an **Agile team of 5**, contributing to sprint planning, code reviews, and version control management (Git) to ensure efficient development and project success.

**MPYG Technology Pvt. Ltd.**

**March 2024 – June 2024**

*Software Developer Intern*

*Remote*

- Contributed to the development of an **AI-driven, AR-powered yoga platform**, boosting user engagement by 25%, while utilizing **Agile methodologies** for timely feature delivery and effective project management.
- Optimized **frontend interfaces** using React.js, improving user experience by 20%, and collaborated in brainstorming sessions to integrate AI and AR solutions within a cross-functional team.

## Projects

**STOCK PRICE PREDICTION MODEL**

**Feb 2025**

- Developed a machine learning model to predict future stock prices based on historical market data.
- Utilized Python with libraries such as Pandas, NumPy, Scikit-learn, and Matplotlib for data preprocessing, feature engineering, and visualization.
- Built and trained regression models including Linear Regression, Random Forest, and LSTM (Long Short-Term Memory) for time-series forecasting.
- Implemented and compared multiple models including Linear Regression, Random Forest, and LSTM for forecasting accuracy.

**QUANTA AI SAAS APP** | [Website Link](#)

**August 2024**

- Developed **Quanta AI**, a SaaS platform revolutionizing content generation, driving a 25% increase in platform usage.
- Optimized performance with **Next.js**, boosting speed by 90%, and utilized **Prisma ORM** and **PostgreSQL** for efficient data management.
- Integrated **Stripe** for secure payments, **Clerk** for user authentication, and **Crisp** for real-time support, enhancing user experience.

**E-COMMERCE STORE** | [Website Link](#)

**February 2024**

- Built a **responsive e-commerce platform**, improving user engagement by 30% through intuitive navigation and streamlined product organization.
- Automated **cart functionality** with adjustable item quantities and integrated **Razorpay payment gateway**, reducing transaction time by 20%.
- Leveraged **MERN stack** technologies (**React.js**, **Redux**, **MongoDB**, **Express.js**) to create a high-performance, scalable application, enhancing overall usability.

## Achievements

- Demonstrated expertise in **Analytical thinking and Logical reasoning** by completing 500+ challenges on top programming platforms, with a focus on **Data Structures Algorithms** to enhance efficiency and performance.
- Held the position of **Vice President** at **Techcomm Professional Society Club-CEC**, leading technical and non-technical events at the state and college levels.
- Contributed to multiple **open-source** repositories during **Hacktoberfest-2022**, resolving bugs and enhancing features using Git and collaborative workflows.
- Completed the **30-day Google Cloud Program (GCP) 2021**, gaining hands-on experience with cloud technologies and earning multiple rewards.

## Technical Skills

**Programming Languages** : C++ | Core Java | Python | JavaScript | TypeScript | Data Structure ans Algorithms | OOPs

**Frameworks | Tools** : React.js | Next.js | Git/Github | CI/CD | Container | Docker | Pandas | NumPy | Matplotlib

**DataBases | Cloud** : MongoDB | MySQL | GCP

**Other Skills** : Experience with unit testing | Agile project development | Machine Learning | AI