

RAJA TAYYAB NAWAZ

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Portfolio: <https://rajatayyabnawaz.netlify.app/>

SUMMARY

As a **MERN stack developer and data analyst**, I am passionate about leveraging technology and data to build efficient, scalable, and user-centric applications. My strong foundation in full-stack web development, combined with analytical expertise, allows me to solve complex problems and extract actionable insights from data. I am continuously driven to expand my knowledge in both software engineering and data analysis to deliver impactful digital solutions.

EDUCATION

Bachelor of Science in Computer Science

Capital University of Science & Technology

CGPA:3.30/4.0

Fall 2020 - Spring 2024

Intermediate in Computer Science

Punjab Group of Colleges

Scored 65%

2018-2020

Matriculation (Science Group)

IMCB I/8/3 Islamabad

Scored 66%

2017-2018

EXTRA-CURRICULAR & PROJECTS

MERN Projects:

- **To-do List App** – React.js app with CRUD operations and responsive design.
- **Responsive Website** – MERN stack site with user registration and login features.
- **File Submission App** – Node.js/Express/MongoDB app for file uploads and data display.
- **Typing Speed Website** – React.js app to test and display typing speed interactively.
- **COVID Tracker** – Real-time COVID data tracker using React.js and RESTful APIs.

Data Analyst Project:

- **Sales Dashboard (MySQL & Excel)** – Built interactive sales dashboards using Excel, MySQL for backend data.
 - **Data Analysis with Python** – Analyzed datasets and visualized insights using Pandas and Matplotlib.
 - **Power BI Dashboard** – Created dynamic dashboards and reports using Power BI for business insight
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Mininet-IDS [Python] (Final Year Project)

- Enhanced Linux based Software Defined Networking (SDN) network emulator Mininet with Mininet-IDS for ML- based Intrusion Detection.
 - Enabled intuitive CLI commands for easy IDS model training and deployment.
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Internship Experience

During my two-month internship at WebHive Technology in I-8 Markaz, Islamabad, I gained hands-on experience in developing dynamic web applications using React.js. I collaborated with a team of developers to create user-friendly interfaces, enhancing my understanding of component-based architecture and state management. This role allowed me to apply my theoretical knowledge in a practical setting, enabling me to troubleshoot and optimize web functionalities effectively. My time at WebHive not only solidified my skills in React.js but also deepened my passion for web development and working in collaborative environments.

PROFESSIONAL DEVELOPMENT

Technical Skills:

- **Languages:** JavaScript (ES6+), Python, C++, PHP, SQL, HTML5, CSS3
 - **Frontend:** React.js, HTML5, CSS3, JavaScript (ES6+), Responsive Design, RESTful APIs
 - **Backend:** Node.js, Express.js
 - **Databases:** MongoDB, MySQL
 - **Libraries & Frameworks:** Pandas, Matplotlib
 - **Data Analysis & Visualization:** Power BI, Excel
 - **Tools & Platforms:** VS Code, Sublime Text, Git & GitHub, Postman
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Awards:

- 2x Dean's Honor Roll
 - ICPC Regional Participation Award
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