

**Report on  
PERSONAL PORTFOLIO WEBSITE**

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**Motivation:** Developing a full stack project is interesting and fun to do. We got a great opportunity of developing a website of our own chosen topic. I was suddenly stuck by the thought of 'Developing a website for my dad!'. And yes, the outcome is this full stack project. My dad, Mr. K N Gopal, is an international chess player and he was selected to represent India-such a big nation-in World Junior championship in Chili, South America in the year 1990.

**Overview:** Front-end for this project uses HTML, CSS, Bootstrap and jQuery. Firebase is chosen for back-end. Server-side application is written in Node and it is published with Express. Entire application is made responsive by using bootstrap libraries. The application is listening on port 8080 which is specified in server.js file. When application is run with the command node server.js in the terminal, it renders home page as the landing page. Responsive navigation bar is created, and it provides navigation across Home, Summary, Achievements, Gallery, Stats, Games and Email me pages.

[https://www.w3schools.com/bootstrap/bootstrap\\_navbar.asp](https://www.w3schools.com/bootstrap/bootstrap_navbar.asp)

**Home page:** It contains a Jumbotron and a Carousel. I referred W3Schools to develop the carousel and modified it according to my need.

[https://www.w3schools.com/bootstrap/bootstrap\\_carousel.asp](https://www.w3schools.com/bootstrap/bootstrap_carousel.asp)

**Summary:** It is a simple page which contains profile picture of my dad, his details like:

Name; Fide: title, title year and rating; World ranking; National ranking; etc. and Fide instructor certificate. I used image thumbnails for profile picture and certificate. I used image overlay fade effect for the certificate which displays the text: 'Certified trainer' on mouse hover.

[https://www.w3schools.com/howto/howto\\_css\\_image\\_overlay.asp](https://www.w3schools.com/howto/howto_css_image_overlay.asp)

**Achievements:** It is developed as a dropdown with overview; 1986-1990;1991-1995; 1996-2000; and 2000-2005 years that displays tournaments played and positions secured in the respective tournaments. I used database to store all the tournaments details. These are fetched when the page is loaded. To setup the database configurations and querying the database, 4 js files are created

**Gallery:** It contains image carousel and I used the same code that I used in home page.

**Stats:** This is one of the most interesting parts of the project. I used Google Area chart for comparing the state, national, international tournaments played to the total no. of tournaments played yearly.

<https://developers.google.com/chart/interactive/docs/gallery/areachart>

**Games:** This page redirects to <https://chess-db.com/public/livegames.jsp?player=5001447>. This chess-db.com contains the games along with step-by-step evaluation of the game. So, I felt that it is suitable to use it here.

**Email Me:** This page presents viewer with a form wherein he can email my dad with any question/message. My father's email is registered with formspree.io which collects all the submitted form data and redirects it to my dad's email. For this, the application should be mandatorily running on a web server.