

KAMAL KUMAR

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Education

Chandigarh University, Gharuan

Bachelors of Engineering in Computer Science GPA: 7.09/10

Mohali, IN

July 2016-June 2020

Work Experience

Coding Ninjas India

Remote, IN

Teaching Assistant (Mentor)

March 2020-July 2020

- Guided the assigned student to me and took doubts on data structure, algorithms in Java and facilitated them to resolved their doubt.
- Analyze the code written by students and give the optimal complexity for their attempted question in java and debug the existed code.
- Mentored and Delivered personalized educational, behavioral and emotional support to individual students to enable positive learning outcomes.

Coding Ninjas India

Remote, IN

Web Developer Trainee

Feb 2020-July 2020

- Making the structure of web pages by using HTML and style with CSS and added javascript to make web pages more concurrent and connected them to the server using Node.js.
- Made projects on server-side by using Node.js and express.js framework and use the MVC architecture of web development and made different files for view, model (mongoose), and controller to handle the route calls.
- Learned using APIs and authentication of web pages (Manual and passport.js) and storing data using MongoDB (mongoose) by using JavaScript.

Flo coin

Remote, IN

Software Engineering Intern

Nov 2017-Dec 2020

- Worked on the florin-coin wallet to make it more secure by using blockchain end to end secure data privacy while sending coins from one wallet to another.
- Research the existed code and Collaborated with other developers to identify and remove more than 2k bugs from code.
- Developed and modify project of web development using javascript & Node.js programming language to reduce 10% access time.

Projects

Contact List app:

- Made **Node.js (express)** and **MongoDB** based project where I included features like **adding** and **deleting** the contacts.
- Included **ejs**, basic of routes and controllers to form responsive web pages.
- Stored the data in **MongoDB** and used **mongoose** to retrieve data back this method is 10 times more efficient.

Codeial - A Social media site:

- Made **social media platform** where I implemented **M.V.C.** architecture for collecting and storing data of the user and **ejs** file to make the better user experience in the view section and operate controller to handle the route calls.
- **Created different schemas** from Js for the like the post and create the post sections where I can post the content and adjoin features where I can like and share the post.
- Utilise **MongoDB** for storing the data (**mongoose** for making **UserSchema** and connecting to the database using **js**) & **passport.js** for Authentication and authorization, due to **js** my project achieved 10-15% more efficiency.

Stock price prediction using LSTM Model:

- Predicted stock price prediction using deep learning LSTM (Long short term memory) Model. This Model remembers the fluctuation of the previous data and based on that, it gives the future prediction 20% faster than other algorithms. I used python libraries like NumPy, Pandas, Matplotlib etc.

Skills and Interests

- **Languages/technologies:** Proficient in Java, JavaScript, NodeJs; familiar with MongoDB, Regex, Passport.js, HTML/CSS, NPM; Previously used C++, Python, Numpy, Matplotlib, MySQL; Experienced with Git, AWS, Unix/Linux, Windows RESTful API.
- **Open Source Organizations:** Node.js (Contributor).

Extracurricular

- **Mentor** for coding and **Coding Ninjas India** certified full-stack web developer and **D.S. Algorithm expert**.
- Passed **Hacker Rank** Java and Problem-Solving assessment in the first attempt to be a **Hacker Rank certified Problem-Solving expert**.
- Led Cricket Team as a captain at **Inter-University Level** and **Junior Level** and won 2+ tournament as a team.
- Directed and manage the **hackathon at University** and instructed the quality assessment team to assess more than 10 projects.
- Data Science trainee at **Tcil-it** (June July 2018) and experienced 3+ live projects of the industry.