

Shubham Kumar

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Academic Qualifications

Year	Degree/Certificate	Institute	CGPA/%
2018 - Present	MCA	National Institute of Technology, Karnataka	7.7/10
2018	BCA	Dr. Y.S Parmar P.G College, Nahan	6.5/10
2014	CBSE(XII)	Jawahar Navodaya Vidyalaya, Nahan	75%
2012	CBSE(X)	Jawahar Navodaya Vidyalaya, Nahan	74%

Technical Skills

- **Programming Languages:** C++ (Proficient), Java (Intermediate).
- **Tools & Frameworks:** Node.js, Express.js, SQL, MongoDB, Git & GitHub, VS Code.
- **Coursework:** Data Structure & Algorithms, Object-Oriented Programming, Database Systems, Operating System.
- **Additional Skills:** HTML5 (Beginner), CSS3 (Beginner), JavaScript (Beginner).

Key Projects

- **Worth-IT Web Application** (Jun'20- Ongoing)
Technology Used: Node.js, Express.js, MongoDB, Mongoose, HTML, CSS.
 - Developed an **E-commerce Web Application** using Node.js which allows an authenticated user to buy products.
 - Enabled the users to create and sign in to secure **Sessions**.
 - Used **MongoDB** as the real-time database manager and **Mongoose** as a Object Document Mapping Tool.
 - Implemented **User Authentication** by restricting unauthorized user to gain access to restricted routes.
 - Protection from **Cross-Site Request Forgery (CSRF) Attacks**.
 - Implemented **Authorization** by allowing only authorized user to delete product.
- **RESTful API** (Aug'20-Ongoing)
Technology Used: Node.js, Express.js, MongoDB, Mongoose, Postman.
 - Developed REST API with Create, Retrieve, Update, and Delete (**CRUD**) **functionalities** using Node.js, Express.js framework, Mongoose (ODM) to interact with MongoDB and Postman to test API with requests.
- **House Valuation Tool** (Aug'19-Sep'19)
Technology Used: Multivariable Regression, NumPy, Matplotlib, Sklearn, Pandas.
 - Predict the House Price in Boston City on the basis of different features.
 - Histograms are used to graphically represent the effect of features on House price.
 - Achieved 7% better accuracy by using Log Transformed Price as target values.
- **Sudoku Solver** (Jan'19-Feb'19)
Concepts Used: C++ STL, Backtracking.
 - Implemented 9X9 Sudoku Solver, using the concept of Backtracking. Performs validation on given Sudoku.

Scholastic Achievements

- Secured **All India Rank 76** in **NIMCET 2018** which is a National Level Entrance Exam.
- Recieved the **Best Performer Award** in Nakshttra'20 Technical Fest organized by NIT Calicut.
- Among **Top 50** Coders in InterviewBit, GeeksforGeeks at University Level.
- Secured **First Position** in Code Chamber event in Version'19 which is a Technical Fest Organized by NIT Tiruchirappalli.
- Contributed in **First Position** of Cricket team in Inter-Branch Cricket Tournament 2020 at NIT Karnataka.

Positions of Responsibility

- **Active Member of Mind Fuel Club** (2018-present)
 - Mind Fuel Club is club allow us to help students in getting started with Competitive Programming.
- **Core Member of IGNITE'20** (Mar'19-Apr'19)
 - IGNITE is a All India MCA Meet in which MCA students from colleges across India come together and participate in Technical Fest.

Training/Online Courses

- **Java** Programming for Complete Beginners
- **Node.js** The Complete Beginner Guide