

SHUBHAM KUMAR

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Technical Skills

- **Programming Languages:** C++ (Proficient), Java (Intermediate), Python (Beginner), Server-Side JavaScript (Beginner).
- **Tools & Frameworks:** Node.js, Express.js, MongoDB, SQL, VS Code, Git & GitHub, Jupyter Notebook, Spyder IDE.
- **Coursework:** Data Structure & Algorithms, Object-Oriented Programming, Database Systems, Operating System.

Key Projects

- **Worth-IT Web Application** (Jan'20- Ongoing)
Tool & Framework Utilized: 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 update & delete product.
- **Twitter Sentiment Analysis Tool** (Aug'20-Sep'20)
Library Utilized: Logistic Regression, NLTK, SKlearn, Tweepy, Matplotlib, Numpy, Twitter API.
 - This tool help us in collecting insights about particular keywords from twitter.
 - Collects all recent tweets which consists of mentioned keywords from twitter and perform Sentiment Analysis on them.
 - Used TF-IDF vectorizer for converting text from dataset into vectors.
 - Logistic Regression is used for training model.
 - Used Confusion matrix for comparing predicted result with actual result.
 - Achieved approx 85% accuracy.
- **RESTful API** (Apr'19-Ongoing)
Tool & Framework Utilized: 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.
- **Web Scrapper** (Jun'19-Jul'19)
Library Utilized: BeautifulSoup, Requests, Csv.
 - A simple web Scrapper which scrapes Heading or Title, Video Link and Summary of each post from <http://coreyms.com> and then save all these details in CSV file.

Scholastic Achievements

- Secured **All India Rank 76** in **NIMCET 2018** which is a National Level Entrance Exam.
- Recieved the **Best Performer Award** in Naksashtra'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.

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	7.0/10
2014	CBSE(XII)	Jawahar Navodaya Vidyalaya, Nahan	75%
2012	CBSE(X)	Jawahar Navodaya Vidyalaya, Nahan	74%

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.