

# AMIT KUMAR

Bangalore

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## PROFILE - FULL STACK - [FRONT END (REACT)—BACK END(NODE) DEVELOPER]

As a Full Stack MERN Developer with strong communication skills, problem solving ability, leadership and attention to detail, has driven product success. Passionate about transforming the digital landscape and committed to continuous learning and growth. My expertise in React and Node development has been instrumental in crafting intuitive, interactive single-page applications (SPAs) and visually stunning interfaces. These seamlessly integrate with AI algorithms, enhancing the user experience and driving product success.

## EDUCATION

**RVS COLLEGE OF ENGINEERING AND TECHNOLOGY, JAMSHEDPUR** **2012 – 2016**  
*B.Tech - Electrical And Electronics Engineering - CGPA - 7* *Jamshedpur, Jharkhand*

## COURSEWORK / SKILLS

- |                     |                 |                        |                        |
|---------------------|-----------------|------------------------|------------------------|
| • JAVA Basics       | • DBMS          | • AJAX                 | • Computer Networks    |
| • DSA JAVA          | • System Design | • Front End - React.JS | • Cloud Computing      |
| • Oops Concepts     | • HTML, CSS, JS | • Back End -Node.JS    | • Software Engineering |
| • Operating Systems | • JQuery        | • GIT                  |                        |

## PERSONAL PROJECTS

**Front End - Stopwatch** | [Vanilla Javascript, HTML,CSS \(Bootstrap\)- VS Code](#) **2023**

- Initialize Function: It sets the time to zero and ensures that the stopwatch is not running when the page loads.
- Start Function: It records the current time and sets the stopwatch to running state.
- Stop Function: It records the time at which the stopwatch was stopped and calculates the elapsed time.

**Front End - Meal App** | [Vanilla Javascript, HTML,CSS \(Bootstrap\)- VS Code](#) **2023**

- AddMeal Function:It takes the meal data as input, creates a new meal object, and adds it to the meal list.
- SearchMeal Function:It takes a search query as input, filters the meal list based on the query, and returns the matching meals.

**React -Habit Tracker App** | [REACT,](#) **2023**

- Add Habits: The app allows users to add multiple habits that they want to track, such as reading a book, going to the gym, etc.
- Track Habits: The app allows users to track each habit every day. Users can mark a habit as 'Done', 'Not Done', or 'None' for each day.
- View Habits: The app provides a view to show all current habits. It also provides an 'Add' button for users to add a new habit to track.

**React - Contact List App** | [REACT, REDUX, MONGODB](#) **2023**

- Fetch and Display Contacts: The app fetches the list of users from the provided API and displays them as contacts in the app.
- Add a Contact: The app allows users to add a new contact. It makes a POST request to the API and updates the state in the app.
- Update and Delete Contacts: The app allows users to update or delete existing contacts. It makes PUT and DELETE requests respectively to the API and updates the state in the app.

**Back End - Placement Cell App** | [MongoDB, ExpressJS, EJS, Bootstrap,.](#) **2023**

- *connect-mongo, cookie-parser, ejs, express, express-ejs-layout, express-session, mongoose, passport, passport-jwt, passport-local* .
- Data Management: The app is responsible for maintaining a comprehensive database of student interviews. This includes details such as batch, student details, course scores, interviews, and results. The app allows employees to fill in this data into the database.
- User Authentication: The app provides Sign Up and Sign In functionalities, but only for employees. This ensures that only authorized personnel can access and manage the data.
- Interview Management: The app allows employees to create new interviews, allocate students to these interviews, and mark the result status for each student. It also provides a view to list all current students and interviews.

- **CSV File Management:** The app allows users to upload any CSV file into the system. It displays a list of all uploaded CSV files. When a file is selected, it displays all the data (with column headers) in a table on the page.
- **Dynamic Data Handling:** The app can handle different CSV files with different column headers. The table headers are dynamic. It also provides a search box which searches on the front end itself and displays the matching rows of the table only.
- **Advanced Features:** The app provides additional features such as sorting button (ascending and descending) for each column on the front end, validation on the front end and server side on being able to upload only CSV type of files, pagination of the data displayed in the table to a max of 100 records per page, and integration of a charting library like Google Charts/d3.js/etc to display a selected column.

- The n-queens puzzle is the problem of placing N queens on an N x N chessboard.
- Such that no two queens attack each other.
- Given an integer N(user input), we will show all distinct solutions to the N-queens puzzle.
- This algorithm is designed using recursion and Backtracking.

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## TECHNICAL SKILLS

**LANGUAGES:** C++, C, JavaScript(**ES6+**), SQL, JAVA, HTML, CSS, Python

**TECHNOLOGIES/Frameworks:** MERN (MongoDB, ExpressJS, ReactJS, NodeJS),  
TypeScript, HTML5, CSS3, MongoDB, Express, React, NodeJS, Bootstrap, Express, React, Promises, Rust, Redis,  
, Node.js, Cloud Platforms(Digital Ocean and AWS), PostgreSQL, Git and Github, Playwright, Sentry,  
, PHP, Rust, Redis, BullMQ, Cloud Platforms(Digital Ocean and AWS), Clerk, TypeScript, Git and Github,  
Playwright, Sentry, Python, Django, Ruby on Rails, UI/UX wireframes, ESOP component,  
Next.js, Flask, MySQL, unittest, pytest, AWS, GCP, Azure, MySQL, PostgreSQL, Selenium, Selenium with Java,  
and API testing using Postman, Test Automation Framework, HTTP, REST, MQ, FTP, SOA, Web services, API  
Testing, Selenium Automation Testing, Vite, Springboot, Docker and Kubernetes.

**DEVELOPER TOOLS:** VS Code, PyCharm, JDK, POSTMAN, IntelliJ, Canva, AWS.

**AI TOOLS:** Perplexity.ai, OpenAI Codex, Copilot, ChatGPT, Codiga, PyCharm, AIXcoder, CodeWhisperer  
(Amazon), Bard (Google), Code Llama (Meta), Stable Code 3B, Replit AI, Plandex, Meta AI (Meta Llama 3).

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## CODING PLATFORMS

- Solved **300+** Problems on **Leetcode**. [↗](#)
- Solved **300+** Problems across **GeeksforGeeks** and **InterviewBit**. [↗](#)
- Codeforces Max Rating **1251** [↗](#)
- HackerRank **200+** Problem Solved [↗](#)

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## CERTIFICATIONS

- Introduction to JAVA - Arrays(Searching And Sorting), String.
- Data Structures in JAVA -Recursion, OOPS, BST, Backtracking, DP, Hashmap, PQ, Graph, Tries and Huffman
- Aptitude Rounds
- Operating Systems - Scheduling Algorithm, Memory Management, concurrency, Linux
- DBMS -SQL(filtering, sorting, grouping), Queries, Transaction, Indexing, NoSQL, Optimization, Managing DB
- System Design -App Charac. Databases, DB Optimization, Web Communication, Server and Security
- Front End — Full Stack Web Development - Bootstrap, DOM, Async, JS, JSX, REACT, Advance Redux
- Back End — Full Stack Web Development in Node.js -cookies, Handling Errors, Mongoose, Socket Programming, APIs(Making, Auth.) Social Auth., PassportJs, SASS, Deployment, DB Relation, MongoDB with Node JS
- React -CN - Firebase, React Hooks, Routing and Auth., Redux(Actions, Reducers, Store), Redux Toolkit

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## EXTRACURRICULAR

- PGDHRM from IGNOU 02-2022 – 05-2023
- Member Rotract club, Jamshedpur from 2014 to till now