

Chinmay Mathakari

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Computer science self-motivated professional with 2 years of full-stack development experience with Angular11 (front-end) and Java technology (back-end). Hands-on HTML5, CSS3, JavaScript, JAVA, and ASP.NET technology using Agile methodologies. Passionate about Web development and data science.

EDUCATION

Master of Science in Computer Science	May 2023
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University of Massachusetts Lowell, Lowell MA

(Courses: Data structures and Algorithms, Internet and web systems, Database)

Postgraduate (PG) Diploma in Advance Computing	May 2019
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C-DAC Institute, Pune India

Bachelor of Engineering in Electronics and Telecommunication	May 2018
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Savatribai Phule Pune University, Pune India

TECHNICAL SKILLS

Web Technologies: HTML, CSS, Java, AWS, Angular11, Selenium, .NET

Database Technologies: SQL, Mongo DB, Relational Database Management Systems, PostgreSQL

Software Methodologies: Docker, Kubernetes, Continuous Integration and Delivery, Git, Azure, JIRA

Languages: C, C++, JavaScript, Typescript, C#, Python

PROFESSIONAL EXPERIENCE

Software Engineer	September 2019 – May 2021
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Cybage Software, Pune, India

- Updated an e-Commerce website for a US-based client. Collaborated with the development team to develop a cache manager system **using Angular11 and Spring Boot**.
- Utilized written and verbal communication skills to collect and incorporate user requirements from a client and developed a client-specific responsive webpage to address order tracking issues.
- Employed **dependency injection** patterns in Angular to enhance modularity and testability, resulting in a **30% reduction** in regression bugs and smoother integration of new team members.
- Led the design and implementation utilizing **object-oriented design principles** to ensure extensibility for future feature additions.
- Proficient in JUnit functional automation testing. Demonstrated leadership by leading 4 developers.
- Collaborated with the QA team and worked cross-functionally to establish a comprehensive suite of unit tests, resulting in a **25% reduction in production defects** and increasing overall software stability.
- Used **analytical skills** for redesigning database queries achieving **20% faster response**, and elevating user experience, while improving product quality as well as efficiency.
- Used operational excellence skills and optimized critical algorithms by selecting appropriate data structures, reducing the time complexity of an essential search operation from $O(n^2)$ to $O(n \log n)$

ACADEMIC PROJECTS

- **E-Assessment** (*Masters Project*) **January 2022 – December 2022**
 - Developed and implemented a secure and user-friendly **e-assessment website** utilizing the **Java Spring boot and ReactJS**.
 - Implemented robust authentication and authorization features, including **Two-factor authentication**, to enhance website security.
 - Used Kafka to stream real-time data from the website to the test portal, which allowed me to monitor the performance of the website and identify any potential problems.
 - Designed and implemented a Cassandra data model to store and retrieve user data.
- **E-commerce Website Development** (*PG Diploma Project*) **October 2018 – February 2019**
 - Conceptualized, developed, and implemented a secure, user-friendly e-commerce website using **Entity Framework and Angular Js 1.4**.
 - Implemented authentication and authorization features in a website using the **ASP.NET** identity module to secure the website. Created RESTful API endpoints to allow different users to access different features of the website.
 - Successfully designed database using **3NF**. Programmed triggers, views, and stored procedures on tables to perform different operations.
- **Online Recruitment Website** (*PG Diploma Project*) **March 2019 - May 2019**
 - **Designed a webpage** with user-defined functions to filter candidate exam results during recruitment. **Designed the user interface** and APIs for the online exam module to facilitate the recruitment process.
 - **Maintained SQL scripts** indexes and complex queries for analysis and extraction. Designed and implemented stored procedures views and other application database code objects.
 - Designed and executed comprehensive unit testing strategies to ensure code quality, identify defects, and enhance software reliability.
- **Botanical disease detection** (*Bachelors Project*) **May 2017–May 2018**
 - Developed a system to help farmers detect crop diseases accurately to save time and increase productivity. Built with Java technology and OpenCV library. Used **SVM machine Learning algorithm** to train and test with a dataset.