## Nagaditya G

## Email: [gadeyabhiram@gmail.com](mailto:gadeyabhiram@gmail.com)

## Ph: +1 978-421-5556

<https://abhiramgadeyprofile.netlify.app/>

**Boston, USA**

**SUMMARY**

A motivated individual with a keen interest in Software programs, possessing good interpersonal and analytical skills, who wishes to use technical knowledge catering to the company's needs.

* 3+ Years of experience in Full Stack Development with diverse technologies.
* Hands-on experience in front-end engineering using HTML, CSS, and JavaScript libraries like jQuery, React, and Vue.
* Experienced in developing web-based applications using Python Django, XML, CSS, JSON, HTML, JavaScript, and jQuery.
* Experience working with Database Management and Engineering, working with relational and NoSQL databases like MongoDB, Oracle, MySQL, MySQL server, MS-SQL, and Cassandra.
* Expertise in Core Java with a strong understanding and working knowledge of Object-Oriented Programming (OOP) concepts like Abstraction, Polymorphism, Inheritance, and Encapsulation…etc.
* Extensive experience in the design and implementation of client/server and web applications using J2EE (Servlets, JSP, JSTL, JDBC, JMS, XML, Java Multi-threading API, Spring, and Hibernate REST APIs).
* Expertise in creating web applications using HTML/HTML5, CSS/CSS3 (SASS, LESS), Bootstrap, JavaScript (ES5), jQuery, AngularJS, Angular 4/6/7, AJAX, and JSON, Node.js, Vue.js, and ReactJS.
* Hands-on experience with Kubernetes, Jenkins, and Docker using experience with MongoDB development (reports, schema design, map reduce functions) and migrations from SQL relational databases to NoSQL databases like Mongo DB.
* Hands-on Experience in the design, development, testing, and deployment of Android Applications using Android Studio
* Good Knowledge of object-oriented programming languages and exceptional ability to implement algorithms using data structures.

**EDUCATION**

* ***Master of Science in Computer Science –*** University of Massachusetts Lowell, USA *September 2021 to May 2023*

**Coursework:** Internet Web Systems, Computer Graphics, Algorithms, Machine Learning, Data Mining, Data Science, Internet of Things, IoT Security and Safety, Big Data Analytics and business intelligence, Design and Analysis of Algorithms, Information Retrieval, Database Management Systems, Data Structures, Design Patterns, Computational Thinking with Python, Object-Oriented Programming with Java, Artificial Intelligence, Machine Learning, Mathematics, and Operating Systems.

**EXPERIENCE**

**Full-Stack Software Developer, Bell Info Solutions LLC, USA** *September 2023 to Present*

* + Involved in the analysis, design, development, and system and integration testing phases of the Software Development Lifecycle (SDLC).
  + Implemented web and enterprise applications using Java 11, Spring Boot, Spring Rest and Spring Security, React, NodeJS, Vue.js, Python, Django, MySQL, Angular, and MongoDB.
  + Understanding user change requirements and analyzing the source systems and Developed UI pages using JSP &amp; SpringMVC framework validations are done using SpringMVC validation framework and JavaScript.
  + Implemented the application using Spring IOC, Spring MVC Framework, Spring AOP, Spring Boot, Spring Batch, and handled the security using Spring Security.
  + Created sophisticated single-page product-based web applications, encompassing both frontend and backend development, while crafting dynamic graphical user interfaces utilizing HTML, CSS, React JS, Vue JS, JavaScript, and jQuery.
  + Worked on NodeJS framework to develop dynamic and rich client web pages Microserviceswith Springboot 2.7.1 through a combination of REST and Apache Kafka.
  + Developed RESTful Web Services to retrieve data from the client side using the Microservices architecture of the Spring boot application with Microservices performing the Unit testing and basic functional testing with different sets of data.
  + Generated JSON format data packets from the middle-tire controller to front end using Jackson JSON API.

**Full-Stack Software Developer, Absolin Software Solutions LLP, India** *June 2020 to August 2021*

* + Involved in the process of Full Stack Software Web Development Scrum model incorporating business requirements and using agile methodologies to figure out technical solutions for better implementation.
  + Built micro-interactions and animations, ensuring web and mobile responsiveness and optimal performance.
  + Developed professional single-page web applications including frontend and backend and implemented dynamic graphic user interfaces using HTML, CSS, Vue & React JavaScript based on product knowledge.
  + Implemented efficient data modeling, configuration, and specification development processes, ensuring high-quality software delivery.
  + Demonstrated knowledge and experience in CSS3 (Less or SASS) and HTML5, including App Cache, Local storage, Geolocation, SQLite, and Device Capabilities access.
  + Experience in handling messaging services using Apache Kafka Implemented AWS solutions using EC2, S3, RDS, EBS, Elastic, Load Balancer, and Auto-scaling groups.
  + Written end-to-end flow i.e., controllers’ classes, service classes, and DAOs classes as per the Spring MVC design and written business logic using core Java API and data structures.
  + Written SQL queries, and stored procedures modifications to existing database structure as required per the addition of new features.

**Full Stack Software Developer, Quadwave Consulting Pvt Ltd, India**  *January 2020 to May 2020*

* + Developed RESTful API endpoints using Java Spring for different Projects to provide enhanced client interface.
  + Involved in front-end (GUI) design and implementations using JSP, HTML5, React JS, JavaScript, and CSS3.
  + Contributed to the optimization of web performance by minifying CSS and JavaScript files and optimizing image assets.
  + Used Tomcat server for application development and deployment and JIRA for issue tracking.
  + Database Engineering by designing the database schema and writing SQL queries in the server-side controllers.

**Software Engineer, Apalya Technologies, India**  *May 2019 to December 2019*

* Completed a hands-on internship in mobile application development using React Native and Android Studio.
* Designed the header component of the whole application using Android Studio XML markup Language and made changes to the Style and other icons on the header such as the hamburger menu icon, meatball menu icon, etc.
* Developed the horizontal menu toolbar in the screens to make changes in the style.

**SKILLSET**

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| --- | --- |
| **Languages:** | C / C++, Java, Python, JavaScript / Typescript, Kotlin |
| **Tools / Technologies:** | HTML5 / CSS3, React / Angular / Node / jQuery / Vue JS, Django / Django Framework, Spring / Spring Boot, React / React Native, Redux, REST / GraphQL, MUI, Hadoop / Hive, Kafka, Android Studio, Git / GitHub, Bitbucket / Jira / Confluence, YAML / XML / JSON, Bootstrap, Docker / Kubernetes, Postman, Linux / Unix, ASP.NET, Grunt, Ajax, CMS, Golang, Spark, Flint |
| **Databases:** | MySQL / PostgreSQL / MSSQL, NoSQL, MongoDB, Oracle, Apache Cassandra |
| **Problem Solving Skills:** | Critical Thinking, Problem-Solving, Strategic Analysis, Collaboration, Decision-making  Innovative |

**ACADEMIC PROJECTS**

* **UML Thrifty**
* Developed and launched a one-stop UML website for students to advertise and purchase used products secondhand.
* Implemented a two-step verification process using University Email to ensure exclusive access for UMass Lowell students.
* Utilized React JavaScript, Firebase, HTML, and CSS to create a user-friendly and interactive platform in Webpack.
* Utilized Redux to inspect and manage state change complexities, and MUI components for good React tools and UI.
* Enabled users to upload their products for sale and browse products for purchase.
* **V-Stand**
* V-Stand is a mobile responsive web application implemented for blue-collared workers to provide decent exposure to work opportunities present around them.
* The web application contains two portals, one for the customer where they can mention their concerned issue, and the second portal is for the workers where they can view works available in a dashboard format and quote their price.
* Utilized HTML, CSS, PHP, MySQL, and Xampp to build the application.
* **GDP Prediction using News Articles**
* Contributed to a project aimed at predicting the future GDP values of a nation, achieving an accuracy rate of 85% by analyzing the previous year's data and incorporating contextual information from news articles.
* Utilized Anaconda and Python libraries such as Beautiful Soup, Pandas, NumPy, sci-kit-learn, and NLTK to perform data extraction, preprocessing, and predictive modeling.
* Extracted relevant data from a dataset of 10,000 news articles and combined it with sector-specific and overall GDP values.
* Developed multiple predictive models, including linear regression and random forest, to forecast future GDP values based on the gathered information.
* **Object Detection Android app**
* Developed an Object Detection Android app for blind people that detects objects from a real-time video and notifies them to stay away from them.
* Used the coco dataset to train and predict the model for detecting various objects from a real-time video.
* The app features a voice-over feature to notify the user about the object in front so that they can stay clear of those objects.
* Developed the application using Android Studio, Java, and Kotlin.
* The application detected the object and its nature with an accuracy rate of 92%.

**ACHIEVEMENTS**

Elected as The Secretary of the Indian Student Association at the University of Massachusetts, USA for one year, and worked as The President of Verve Dance Group and Class Representative for Computer Science Batch at Bennett University, India.