## Nagaditya Sri Abhiram Gadey

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**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.

* 2+ Years of experience in Full Stack Development with diverse technologies
* Hands-on experience in front-end engineering using HTML5, CSS3, JavaScript, jQuery, and modern JavaScript libraries like React.
* Experience in developing web services using Python Django, and Java (Spring Boot)
* 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 & 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 Web Services).
* 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.
* Hands-on Experience in Machine Learning Engineering, and Big Data Engineering.

**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, Database, Data Science, Internet of Things, IoT Security and Safety, and Malware Analysis.

* ***Bachelor of Technology in Computer Science Engineering*** *- Bennett University, India* *August 2017 to May 2021*

**Coursework:** Deep Learning, Big Data Analytics and business intelligence, Design and Analysis of Algorithms, Computer Networks, Information Retrieval, Database Management Systems, Data Structures, Design Patterns, Computational Thinking with Python, Object-Oriented Programming with Java, Artificial Intelligence, and Machine Learning, Mathematics.

**EXPERIENCE**

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

* + Involved in the process of Full Stack Software Java Web Development Scrum model incorporating business requirements and using agile methodologies to figure out technical solutions for better implementation.
  + Developed professional single-page web applications and implemented dynamic graphic user interfaces using HTML, CSS, & and React JavaScript based on product knowledge.
  + Developed RESTful API endpoints using Java Spring for different Projects to provide enhanced client interface.
  + Worked on MongoDB database concepts such as locking, indexes, sharing, replication, and schema design.
  + Migrated from Java 6 to Java 8 as the primary programming language for the application as it offers improved security, performance, and developer productivity.

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

* + Involved in the analysis, design, development, and system and integration testing phases of the Software Development Lifecycle (SDLC).
  + Involved in front-end (GUI) design and implementations using JSP, HTML5, React JS, JavaScript, and CSS3.
  + 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, Django / Django Framework, Spring / Spring Boot, React / React Native, REST / GraphQL, Hadoop / Hive, Android Studio, Git / GitHub, Bitbucket / Jira / Confluence, YAML / XML / JSON, Bootstrap, Docker / Kubernetes, Postman, Linux / Unix |
| **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.
* Enabled users to upload their products for sale and browse products for purchase.
* **To the Point- Text Summarization**
* Developed an extractive-based text summarization web application called "To the Point." With an accuracy of 89%.
* Implemented a user interactive page with forms to summarize text provided by the user or through a link.
* Utilized Python, React JavaScript, HTML, and CSS to build the application.
* Created a summarization technique that can condense 1000 words length of text into short and concise summaries.
* **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 a period of one year.
* Worked as The President of Verve Dance Group at Bennett University, India for a period of one year.
* Worked as The Class Representative for the computer science batch from January 2018 to May 2021 at Bennett University, India.