Priyank Arya

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Education

- Virginia Tech | Masters in Computer Science | GPA: 3.95/4.0 *August 2021 – May 2023*
  - Relevant Coursework: Data Analytics, Software Design, Software Engineering

- Indian Institute of Technology (IIT) Jodhpur | Bachelors in Computer Science *July 2013 – May 2017*
  - Relevant Coursework: Data Structures and Algorithms, Database Systems, Object-Oriented Design

Skills

Languages: Java, C#, Kotlin, Scala, TypeScript, JavaScript, Python, HTML5, CSS3, SQL, C++

Tools: Git, MySQL, .NET, Vue.js, Knockout.js, Google Colab, AWS EC2, Selenium, Kafka, Docker

Work Experience

MediaKind, Bengaluru, India – Senior Software Engineer *September 2018 – June 2021*

- **Full Stack:** Developed a single-page web application for telecommunication clients in agile with below technical stack: C# (.NET), TypeScript (Knockout.js) and REST, Microsoft Azure (Cloud and DevOps), and Docker
- **Backend:** Revised the Monolithic architecture of the product by dividing it into functional components using RESTful Microservices which reduced bugs by 70%
- **Frontend:** Revamped the complete operator web interface by improving the UI/UX to maintain consistency and implemented design patterns to reduce code duplication which reduced the lines of code by 20%

Cognizant Technology Solutions, Bengaluru, India – Software Engineer *July 2017 – August 2018*

- Built a Text Classification tool by using Scala and Apache pdfbox for text extraction and a Naive Bayes Classifier model to classify the Section wise segregated text into cause, remedies & features with the help of an extensive training dataset

Projects

Urban Mobility Behavior *February 2022 - May 2022*

- Developed an end-to-end demonstration of change in urban mobility patterns before and during the pandemic in the US National Capital Region by creating a spatiotemporal assessment model using Dbscan, metro ridership data by WMATA, and origin-to-destination population flow data by Safegraph

Indoor Wi-Fi Positioning *August 2016 – May 2017*

- Created an indoor positioning system to map the location of users by developing an android application and implementing a coordinate system with the Wi-Fi routers as reference points

Automated Timetable Generator *February 2016 – May 2016*

- Created a windows application for timetable generation using the parameter values like teachers' working hours, number of classrooms, student strength, etc. by implementing genetic algorithm and optimizing the fitness score of each timetable generated