RASHI VARSHNEY in linkedin.com/in/rashivarshney/   ◯ https://github.com/rashi3088

✉ rashivarshney97@gmail.com   📱 **571-619-4629**   📍 USA

SUMMARY ▼

Strong result-oriented software professional focused on design and analytical thinking with intuitive critical problem-solving skills. Proficient in **Java, GO, Python, PostgreSQL, Kafka and MongoDB**. Passionate about implementing and launching new projects with an ability to translate business requirements into technical solutions.

EDUCATION ▼

Master of Science (Computer Science) George Mason University **|**	*2019 – 2021*
Bachelor of Engineering (Computer Science) CSVTU **|** GPA 3.75/4.0	*2015 - 2019*

TECHNICAL SKILLS ▼

Java, Golang, C#, PostgreSQL, Azure, Kafka, Angular.JS, AWS, EC2, S3, Docker, HTML, CSS, Bootstrap, JavaScript

WORK EXPERIENCE ▼

Software Engineer I | Office Depot | Pricing & Offers   *June 2021 - Present*

- Developed and implemented the pricing and offers segment of the Varis Marketplace application from the ground up by working on **microservices, Golang, Postgres, Azure, Kafka, Kubernetes, CI/CD pipeline** and so on, to streamline and translate functional requirements and integration specifications into detailed designs of product and contributed towards making the **product live** in the market three months ago.

Developed skills and knowledge on following tools to support the offer and pricing pipeline :- **Temporal,K6, azure blob implementation, snowflake, new relic, backstage, Codacy, cron job, Snyk**.

- Focuses on professional development through our wide array of learning opportunities for continued growth within the Varis team & ensure application SLAs are met by employing appropriate monitoring and alerting tools as required by stakeholders.

Software Engineer Intern| Nexus 8 International LLC   *May 2020 – August 2020*

- Developed web components for the company's flagship product HIPPRA using **ASP.NET Core** framework and **Blazor**
- Optimized the image upload process and decreased the upload time by 30% on average.
- Proposed and created user Interface using **UX/UI** tools like using **Adobe XD** tool to make the application user friendly.
- Identified and analyzed new business and functional requirements as a part of requirement gathering sessions with customers

Graduate Teaching Assistant | *George Mason University*   *January 2020 – May 2021*

- Worked as a Graduate Teaching Assistant and lab instructor, **manage** and **instruct** a group of 90+ students for (CS 310) **Data Structures with Java** at GMU, and **grade** their projects and assignment through Blackboard. Monitor and mentor them on the concepts of data structure and **algorithms**, using Java. Hold **interactive discussion session** with students during office hours.
- Prepared learning materials to conduct lab sessions**. Designed** and **develop testers** using **JUnit** for project evaluation and assisted professors in proctoring midterm/final exams.

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PROJECTS ▼

Trilingual Hate Speech Detection using BERT |

- Implemented an NLP based Hate Speech Detection system in an **AGILE** team collaborating with Product Owner and Scrum team.
- The crux of the system was built in a **multi-task deep neural model**, to classify the speech which emphasizes on Misogyny and Aggression in social media content.
- Used **BERT model** for Feature extraction, fine tuning using regressive analysis of Training data, the dataset for this shared Task is in three different languages: - English, Hindi and Bengali.
- Explored sentiment features for better identification of the implicit forms of aggression, assisting filtering and removal of criterion.

Notepad Application using Cloud Architecture| Team Lead |*George Mason University*   *Jan 2020 – June 2020*

- Used **Spring Boot framework** to create the Notepad to communicate with endpoints using **JSON APIs**.
- Created a Cloud infrastructure using **AWS**. The architecture uses a **VPC, EC2 instances** using **AMIs** and **Packer**, with multiple Subnets to hold the application and **RDS instances** for high availability.
- The data in the application is stored with secure endpoints on **S3** bucket and **RDS** Instances are used for **Database Management.**

CERTIFICATIONS/PUBLICATIONS ▼

- Published a review paper on "**Machine Learning algorithms, tasks and its implementation on Image Processing**" as the conference paper in the **International Journal of Advances in Management Technology and Engineering Sciences** (IJAMTES journal, VOLUME 8, ISSUE III, March - 2018).
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