SIMRAN MANTURGIMATH

✉ simran.rm6@gmail.com   in simran-manturgimath   Simran-RM   📞 703-389-7074

BIO

Results-driven Fullstack Software Engineer with over 2 years of experience in developing high-performance web applications and managing cloud infrastructure. Proficient in JavaScript, React, and Node.js. Adept at optimizing and monitoring cloud environments, ensuring system reliability and scalability. Passionate about leveraging technology to solve complex problems and enhance cloud-based solutions.

EDUCATION

Masters, Computer Science   - *George Mason University, Fairfax, Virginia.*   *Aug 2021 - May 2023*
- Courses : Analysis of algorithms, Advanced NLP, ML, Information and Network Security, Software Engineering.

Bachelors, Computer Science - *KLE MSSCET, Belgaum, India.*   *Jul 2015 - Jul 2019*
- Courses: Object oriented Programming, Data Structures,DBMS, Cloud Computing,System programing, Operating Systems..

TECHNICAL SKILLS

- **Languages:**   Javascript | Typescript | Python | Java.
- **Web Technologies:**   HTML | CSS | ReactJS | NodeJS | Express | SaaS.
- **Databases:**   NoSQL | SQL | MongoDB | PostgreSQL.
- **Cloud:**   AWS(Lambda, S3, EC2, CloudFront) | Kubernetes.

PROFESSIONAL EXPERIENCE

Software Developer – *GB Ventures.*   *Mar 2019 - May 2021*

- Developed and managed a property management platform using React, Node.js, and MongoDB, focusing on scalable and reliable cloud solutions.
- Created modular microservices with Node.js and Express, addressing the challenge of scaling APIs for property listings, user profiles, and payment processing , resulting in a 30% increase in system scalability.
- Configured cloud monitoring and alerting systems using Grafana and AWS CloudWatch, leading to a reduction in system downtime and improved incident response.
- Led the development of a CI/CD pipeline using Jenkins and integrated AWS services (EC2, S3), significantly streamlining deployment processes and and reducing integration issues by 50%.

Web Developer Intern – *Cubiccode Digital Media LLP.*   *Jan 2019 - Feb 2019*

- Collaborated with senior developers to create an immersive bakery website using modern JavaScript, HTML, and CSS, resulting in a highly engaging user experience.
- Integrated the website with Drupal, enhancing the site's content management capabilities and efficiency.

KEY ACADEMIC PROJECTS

Federated Learning - *Python, Data Mining, Neural Networks.* ([Report](#))
- Designed and implemented a decentralized training model for deep neural networks, ensuring data privacy and achieving improved model accuracy.

Containerized Web Application - *Angular, Spring Boot, AWS RDS.* ([Repository](#))
- Deployed a containerized Survey Form application on Google Kubernetes Engine clusters, facilitating seamless scalability. Implemented a CI/CD pipeline with Jenkins, integrated with GitHub webhook for automated builds and deployments, improving deployment efficiency.

CERTIFICATIONS

- **AWS Certified Cloud Practicioner (AWS CCP) -** *View Badge*
- **Cisco Cybersecurity Essentials -** *View Badge*