Manav Sankaran

github.com/ManavBala | linkedin.com/in/manav-sankaran-62a93b220/ | manav.bala1404@gmail.com

WORK EXPERIENCE

Hyperlink   **Champaign, IL**
3   –

- Orchestrated the deployment and management of a Kubernetes (K3S) cloud infrastructure across **3** AWS availability zones, utilizing Pulumi for automation and PostgreSQL RDS for state management, resulting in a **35%** improvement in GPU resource scalability.
- Configured AWS Gateway and Ingress controllers within the Kubernetes environment to manage and optimize load balancing across **10+ worker nodes**, facilitating efficient access to GPUs for tasks like AI model training, reducing processing time by **20%**.

National Center for Supercomputing Applications   **Champaign, IL**
3   –

- Executed efficient ticket management using JIRA, ensuring **95%** of technical issues were resolved within SLA, with over **200 tickets** handled monthly, ensuring accurate documentation and effective communication with employees affiliated with the NCSA.
- Maintained comprehensive technical documentation, including system operations, troubleshooting procedures, and best practices, reducing troubleshooting time by **20%** and ensuring operational consistency.

Traydstream Ltd.   **London, UK**
2   *3   –   3*

- Gained practical knowledge in implementing diverse encryption policies to ensure the secure transmission of financial documents both within and outside a prominent FinTech company's pipelines.
- Conducted in-depth research on the impact of global compliance regulations concerning the digitization of trade documents, analyzing over **150 pages** of regulatory frameworks and contributing to **3 comprehensive compliance strategies** for international trade partners.
- Collaborated with cross-functional teams to assess cybersecurity protocols across **5 key departments**, ensuring **100%** alignment with industry best practices and regulatory requirements, reducing potential compliance risks by **15%**.

PROJECTS

Options Pricing Model –

- Developed a neural network model