

## **Aditya Hede**

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### **Summary**

Motivated master's student in Information Technology at Arizona State University with a strong vision for leveraging data analytics, distributed systems, and software architecture to solve business problems. Proficient in Networking, big data technologies, including Spark and skilled in software development. Experienced in cloud computing, including AWS, agile methodologies, continuous improvement, and collaborating with diverse teams in fast-paced environments. Passionate about building enterprise-grade, reliable, and trustworthy software/services.

### **Professional Experience**

**Assistant System Engineer, TCS, Hyderabad, India**

**December 2021 - April 2023**

- Monitored, debugged, and troubleshoot system performance on Unix systems, generating detailed reports to ensure optimal operation and identify improvements. Validated data and system requirements for SAP CLM user access configuration, ensuring secure and efficient system operation.
- Validated and configured SAP CLM user accounts, permissions, and access rights for over 100 users, enhancing system security and operational efficiency.
- Created comprehensive user documentation, including installation guides and help manuals for SAP CPROC, and provided technical training to end users, leading to a 20% reduction in support tickets and a 30% increase in user efficiency.
- Conducted research on emerging technologies and best practices, participated in Scrum meetings, and contributed to continuous improvement initiatives in a fast-paced enterprise environment.
- Communicated effectively with global users to resolve system errors, workflow issues, and permissions problems, maintaining a 98% satisfaction rating. Demonstrated strong verbal communication skills through presentations and technical support and worked collaboratively with cross-functional teams to address and resolve issues.

### **Education**

- Master of Science in Information Technology (Expected May 2025), Arizona State University, Tempe, AZ | GPA: 3.78
- Bachelor of Technology in Computer Science Engineering (Graduated July 2021), Vidya Jyothi Institute of Technology, Hyderabad | GPA: 3.33
- Relevant Coursework: Project Management, Databases, Machine Learning, Natural Language Processing, AWS Cloud Architecture.

### **Technical Skills**

- **Programming & Databases:** Proficient in Java, Python, SQL, .net, backend programming, data structures, algorithms, relational databases (MySQL), NoSQL databases (MongoDB), and backend development. Knowledge in using GitHub for version control and collaboration.

- **Data Analysis:** Skilled in Python (pandas, NumPy) and R (r). Excel, Knowledge of statistical concepts, big data technologies (Hadoop, Spark), and data processing.
- **Web Development:** Experienced in HTML, CSS, JavaScript, React.js, PHP, Perl, Swift, full-stack development (Angular, Node.js) and creating interactive user interfaces.
- **Cloud Computing:** Familiarity with cloud platforms such as AWS and its infrastructure, Google Cloud, Terraform, Docker, Kubernetes and Azure. Learning about cloud storage solutions and basic deployment processes.
- **Machine Learning & AI:** Machine learning techniques, AI principles, data-driven decision-making, and complex datasets.
- **Networking & Distributed Systems:** Networking principles, IP protocols, troubleshooting, distributed systems, and cloud storage solutions.
- **Information Systems:** Basic understanding of how information systems work. Interested in learning more about system design and architecture.
- **Problem-Solving:** Developing skills in logical thinking and problem-solving. Attention to detail when working on coding projects and eagerness to improve debugging skills.

## Projects

### Cloud-Based Architecture for Café Business

- **Infrastructure Design and Deployment:** Architected and deployed a scalable cloud infrastructure using AWS services to improve performance and cost-efficiency.
- **Web Application Hosting:** Hosted the café's web application on Amazon S3, utilizing its static website hosting capabilities for reliable and cost-effective delivery.
- **Database Setup:** Configured a MariaDB database on an AWS EC2 instance to handle café operations, including managing customer orders and inventory.
- **Database Migration and Optimization:** Migrated the database from EC2 to Amazon RDS using the SQL dump utility, enhancing database management, performance, and automated backups.
- **Security Implementation:** Ensured robust security by setting up IAM roles and configuring security groups for controlled access to the database and application.

### Understanding Treatment History: Smoking, Radiation Therapy, and Thyroid Cancer (Tableau):

- Constructed an interactive dashboard to explore characteristics and potential associations within a thyroid cancer patient population.
- <https://public.tableau.com/app/profile/aditya.hede/viz/UnderstandingTreatmentHistorySmokingRadiationTherapyandThyroidCancer/Dashboard1>