Pavan Sai **Korlapati**

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SKILLS

BACK END DEVELOPMENT | Java • Python • Spring • Django • SQL • Docker • Kubernetes
DEV-OPS | AWS • Azure • Git • Circle CI • Jira • Maven • SonarQube
AI/ML DEVELOPMENT | Numpy • Pandas • Matplotlib • EDA • MLP • Model Evaluation • Gradio
MISCELLANEOUS | Product Development • Problem Solving • Team management • Conflict resolution

EDUCATION

- **Saint Louis University** | St. Louis, MO | **May 2025** | Masters in Artificial Intelligence | **GPA:** 3.95/4
- **SASTRA University** | Thanjavur, India | **June 2021** | Bachelors in Mechanical Engineering (Hons) | **GPA:** 7.87/10

EXPERIENCE

AWS Student worker, Saint Louis University | St. Louis, US   **(2024)**

TeamDynamix to AWS integration
- Ideated and developed new strategies to integrate the university's ticketing platform with AWS dashboard.
- Effectively used TeamDynamix integration platform and maintained connectors in order to establish connection.
- Lead a team of 3 students to modify data and generate useful dashboard information for AWS Quicksight.

AWS Connect contact lens implementation
- Devised plans to implement AI-based analytic features to the AWS Connect account.
- Conducted a brief study on the implementation of new features and the associated costs.

Senior Software Engineer, Capgemini Technology Services | Hyderabad, India   **(2021 – 2023)**

Application deployment using AWS
- Accomplished the creation of Kubernetes clusters for a prototype application, as measured by successful deployment and functionality, by utilizing AWS Elastic Kubernetes Service.
- Engineered an event-driven application and integrated AWS Lambda functions, enhancing the application's performance and responsiveness by 10 percent.

Digital Channels and Capabilities, ABN AMRO Bank, Netherlands
- Performed migration of legacy Java and SOAP components to Java 8 and REST by leveraging microservices architecture, resulting in improved system scalability and performance.
- Developed and sustained infrastructure through IaC solutions, employing industry-standard templates to enhance operational efficiency and security.
- Successfully managed scrum teams and facilitated numerous fun activities across the organization, with over 70% of attendees reporting entertainment and stress relief.

ACADEMIC PROJECTS

Built an All Terrain Vehicle for BAJA, Society of Automotive Engineers, India   **(2019 - 2021)**

Role   Worked as captain of the team.

Key responsibilities
- Maintained harmonious relationships among the student community and college administration.
- Managed a team of 25 students and established good relations with the management.
- Maintained a record of existing college events and delivered presentations.
- Prepared work schedules for the entire team and made necessary treasury decisions.
- Coordinated Tools, Equipment and Components with the work schedule.
- Learnt skills required for designing brakes and wheel assembly systems.

ACHIEVEMENTS & CERTIFICATIONS

- First position in ABN AMRO Sustainable Development Hackathon Competition.   **(2023)**
- Amazon Web Services (AWS) developer associate   **(2022)**
- Azure Fundamentals (AZ-900)   **(2022)**