AISHWARYA SAI BURA

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PROFESSIONAL SUMMARY

Software Developer with 6+ years of experience building scalable full-stack applications using Python, Java, JavaScript, and SQL. Skilled in developing cloud-based solutions (AWS, Azure, GCP), APIs, and databases (MySQL, PostgreSQL, MongoDB) with expertise in DevOps tools like Docker, Kubernetes, and CI/CD. Certified in Salesforce Administration, Python, and Machine Learning, with strong Agile teamwork and problem-solving skills.

EDUCATION

University of Houston, C.T. Bauer College of Business — Houston, TX
Master of Science in Management Information Systems — Jan 2024 – May 2025

Godavari Institute of Engineering & Technology (GIET) — Rjy, India
Bachelor of Technology in Civil Engineering — Oct 2013 – May 2017

EXPERIENCE

Rockwell Career Center, University of Houston — Houston, TX
Data Analyst — Jun. 2025 – Present

- Built an employer check-in web app with Airtable APIs + JavaScript automations, scaling to 300+ check-ins/hour with <1% errors.
- Automated ETL workflows across 12+ sources (JS, Excel, Airtable), cutting reporting time by 75% (8h → 2h) and boosting accuracy to >99%.
- Developed Tableau/Airtable dashboards with JS extensions to track 25+ KPIs, improving interview slot fill rate by 18% and reducing no-shows by 22%.

Software Development Intern — Sept. 2024 – May 2025

- Created an end-to-end suit rental dashboard for Bauer College of Business using Airtable + JavaScript automations, processing 2,000+ student records and reducing manual entry by 70%.
- Engineered data visualizations and analytics workflows with Airtable Interfaces + Tableau, delivering real-time insights on inventory, rentals, and utilization trends to 100% of staff.
- Automated data validation and scheduling scripts, cutting weekly reporting prep from 8h → 2h (**75% faster**) and boosting accuracy of rental data to >98%.

Pivotal Soft Technologies — Vskp, India
CRM Developer — June 2023 – Nov 2023

- Developed and deployed Salesforce Lightning Components + Apex automations, reducing manual workflows by 30% across 5+ projects.
- Integrated REST APIs to sync 10K+ customer records in real time, improving data accessibility and reducing errors by 95%.
- Built custom dashboards and validation rules with JavaScript + SOQL queries, boosting pipeline visibility and reporting accuracy by 40%.

APSIS Technologies — Banglore, India
Software Developer — August 2017 – August 2022

- Designed and implemented the award-winning **Health Plix healthcare application**, improving web performance and user satisfaction by 25%.
- Built responsive front-end applications with **JavaScript, React, Bootstrap, and Material UI**, enhancing mobile compatibility and load speed by 30%.
- Optimized backend services with **Node.js + SQL**, reducing average response times by 35% and scaling to 5K+ users.
- Automated CI/CD deployments with **Git + Docker**, cutting release cycle time from 2 weeks to 5 days.
- Collaborated with cross-functional teams to deliver 6+ projects on schedule, increasing client satisfaction scores by 20%.

PROJECTS

Suit Closet System —JavaScript, Airtable, Excel, Automation

- Developed a digital suit rental management system for Bauer College using **Airtable + JavaScript automations**, processing 2,000+ student rentals with 70% less manual effort.
- Built interactive dashboards and reporting pipelines in **Excel + Airtable Interfaces**, enabling real-time utilization and inventory analytics for staff.
- Automated data validation, scheduling, and duplicate detection scripts, cutting weekly reporting prep from 8h to 2h (**75% faster**) and improving accuracy to >98%.

AuraThrive App —Python, Flask, TensorFlow, React, SQL, REST APIs, AWS, GitHub

- Designed and developed an AI-powered healthcare app to support HIV/AIDS patients with **at-home testing, AI-driven CBT, transportation services, and anonymous forums**.
- Integrated **machine learning models with Flask + TensorFlow** to deliver personalized health alerts and chatbot interactions, enhancing patient engagement by 60%.
- Deployed the application stack on **AWS** with secure REST APIs and database management, ensuring scalability for 10,000+ concurrent users.

Energy Demand Forecasting —Python, Pandas, NumPy, Scikit-learn, TensorFlow, Tableau, AWS

- Built predictive models to forecast **short-term and long-term electricity demand**, improving accuracy by 20% over baseline industry models.
- Engineered scalable **ETL pipelines** for cleaning, transforming, and analyzing multi-terabyte energy datasets using **Pandas + NumPy**.
- Applied advanced ML techniques (**XGBoost, LSTM neural networks**) to capture seasonal demand fluctuations and peak load patterns.
- Deployed dashboards in **Tableau** and model APIs on **AWS** for real-time stakeholder access, reducing manual reporting time by 60%.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, SQL, C++, HTML, CSS, TypeScript
Frameworks & Libraries: React, Node.js, Express.js, Flask, FastAPI, Bootstrap, jQuery
Databases: MySQL, PostgreSQL, MongoDB, Firebase, DynamoDB, Oracle
Cloud & DevOps: AWS, Azure, GCP, Docker, Kubernetes, Jenkins, GitHub Actions, Apache Airflow
Tools & Platforms: Git, GitHub, GitLab, Bitbucket, Postman, JIRA, VS Code, Eclipse
Data & Visualization: Pandas, NumPy, Matplotlib, Seaborn, Power BI, Tableau
Software Development Practices: Agile, Scrum, REST API Development, Test-Driven Development (TDD), CI/CD, Object-Oriented Programming (OOP)

CERTIFICATIONS

- Salesforce Certified Administrator
- Python for Data Science, AI & Development – IBM
- Python Programming Certification – GeeksforGeeks
- Introduction to Machine Learning – Great Learning
- Google Project Management Professional Certificate
- Six Sigma White Belt Certification