

EDUCATION

University of Alabama at Birmingham	Birmingham, USA
Master’s in Computer Science GPA: 3.8 / 4.0	Jan 2024 - Dec 2025
Course Work: Data Structures, Database Systems, Machine Learning, Deep Learning, Data Mining, Data Science, Probability & Statistics	
Jawaharlal Nehru Technological University	Kakinada, India
Bachelor’s in Computer Engineering GPA: 8.82 / 10.0	June 2018 - June 2022

EXPERIENCE

University of Alabama at Birmingham	Birmingham, USA
Graduate Assistant (Digitalization and Digital Services Laboratory)	April 2024 - Present
<ul style="list-style-type: none">Designed metadata data curation for 7000+ fragile historical records, ensuring digital preservation, & facilitating technical research.Automated digital preservation workflows using Python, increasing accessibility of digital assets, and improving archival efficiency.	
International Institute of Information Technology, Hyderabad	Remote
AI Developer Intern (Viswam.AI)	May 2025 - June 2025
<ul style="list-style-type: none">Gained knowledge in Python, Software Development, & AI concepts that empower the journey toward advanced AI engineering.Obtained hands-on experience procuring data and fine-tuning with 13 dedicated teams and transformed models into AI applications.	
HCL Technologies	Hyderabad, India
Software Engineer (Client: Verizon AI & Data)	Aug 2022 - Dec 2023
<ul style="list-style-type: none">Completed 80+ hands-on Python and SQL projects, developing robust scripts for automation and data processing workflow.Designed a hospital management system using Python, Tkinter, and SQLite, ranked 2nd out of 60 interns for project functionality.Deployed 8 Spark ETL pipelines on GCP Dataproc, extracting data from GCS, transforming data in Dataproc notebook, and loading processed data into GCS and BigQuery for batch & real-time streaming, and recognized as top 5% intern for project delivery.Optimized AI-driven solutions for Verizon’s FWA project, contributing to \$550M+ revenue and supporting a 4.2M+ customer base.Engineered PySpark ETL pipeline to migrate 20M+ records from Teradata to GCP Big Query, reducing ingestion time by 35%.Implemented GCP Dataproc using PySpark & Spark SQL, transforming 20M+ unstructured data records from Raw to Curated zones.Mapped 200+ BTEQ scripts with 500+ columns, ensuring data modeling between source and target DBs, improving data consistency.	

TECHNICAL SKILLS

- Programming Languages: Python, Java, SQL, C
- Databases: MySQL, PostgreSQL, NoSQL(MongoDB)
- Web Technologies: HTML, CSS, JavaScript, React, Flask, FastAPI
- Big Data & Data Engineering: ETL pipelines, PySpark, Hadoop, Airflow
- AI & ML: Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn, Keras, Tensorflow, PyTorch
- Analytical Skills: Excel, Data Modeling, Exploratory Data Analysis, Power BI, Data Ingestion, Data Curation
- Cloud & DevOps: Amazon Web Services (AWS), Google Cloud Platform (GCP), GitHub Actions, Docker, CI/CD
- Other Skills: Software Engineering, Development, Design, Review, Debugging, OOPS, Operating System, Algorithms

ACADEMIC PROJECTS

Attendance Management System using Computer Vision & Text-2-SQL RAG Chatbot Github
Tech Stack: Python, FastAPI, React, MySQL, Docker, AWS EC2, AWS RDS, AWS S3, Github Actions, Yolo-Face, ResNet-100, MongoDB, llama3 LLM
English-to-Indian language Transliteration Github
Tech Stack: Python, FastAPI, React, MongoDB, RNN, Bi-RNN, Bi-RNN + LSTM, GCP Vertex AI
MLOps Hand Sign Detection Github
Tech Stack: Python, FastAPI, React, AWS EC2, Github Actions, YoloV5
Handwritten Digit Classification Github
Tech Stack: Python, CNN, ResNet, FastAPI, React, AWS EC2
Movie Recommendation System Github
Tech Stack: Python, Content-based Recommendation, Streamlit
Note Taker Application Github
Tech Stack: Java, MySQL, Hibernate, JSP, HTML, Bootstrap

CERTIFICATIONS & ACHIEVEMENTS

AWS Associate Machine Learning Engineer - Amazon Web Services	
Deep Learning Specialization - DeepLearning.AI Credential	Oct 2024
AWS Certified Cloud Practitioner - Amazon Web Services Credential	July 2024
Machine Learning Specialization - DeepLearning.AI Credential	June 2024
GCP Associate Cloud Engineer - Google Cloud Platform Series Id: 89931	June 2023
PCEP - Certified Entry Level Python Programmer - OpenEdge Credential	May 2023