

Aashik Sharif Basheer Ahamed

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EDUCATION

Washington State University <i>Master of Science, Computer Science</i> Relevant Coursework: Neural Network · Reinforcement Learning · Software Design & Architecture	GPA: 4.0/4.0	Pullman, WA, USA Jan 2024 – May 2025
Sastra University <i>Bachelor of Technology, Computer Science Engineering</i>	GPA: 3.4/4.0	Tanjore, India Jun 2017 – May 2021

SKILLS & CERTIFICATIONS

Skills/Technical: Airflow, AWS, Big Data, Business Intelligence, C, C++, Cloud Computing, Data Engineering, Docker, Data Pipelines, ETL, Excel, GCP, Hadoop, Java, Kafka, Keras, Machine Learning, Microsoft suite, Python, R, Snowflake, Scala, Spark, SQL, Tableau, TensorFlow, Teradata SQL

Certifications: · Architecting with Google Compute Engine · Infosys Certified: Snowflake and Data Warehouse Developer, Spark Professional, Database and SQL Associate, Business Intelligence Associate · Government Typewriting exam

WORK EXPERIENCE

Student Success Advisor, Instructor Pullman, WA
Office of Academic Engagement, Washington State University Aug 2024 – Present

- As an alternative instructor for UNIV 104 at Washington State University, guided 35 students, leading to improved engagement and over 80% achieving better grades.

Data Engineer Bangalore, India
Infosys Ltd – Client: Apple Inc Sep 2021 – Dec 2023

- Managed converting over 500 SQL procedures in Python from Teradata to Snowflake, sourcing data from GCP and AWS.
- Streamlined job monitoring and reporting via Python-Selenium automation, improving efficiency by 30% to meet project deadlines while ensuring 100% data integrity in Hadoop through QA analysis using Airflow DAGs and MS Excel.
- Contributed to GitHub open-source projects yearly at the Hacktoberfest hackathon among 100,000 participants.
- Conducted reporting analysis for finance projects using Tableau and BI systems, ensuring 100% billing from clients in the US.

Technical Content Writer Bangalore, India
Ashwin Aptitude Classes Jul 2021 - Sep 2021

- Identified detailed technical content needs and developed extensive programming solutions supporting 200 students.
- Created a robust C, C++, Java, and Python training program, which provided job offers for junior students.

Research Intern Trichy, India
National Institute of Technology May 2019 - Jun 2019

- Researched various potential side-channel attacks and utilized open-source tools for cache status analysis, which implemented mitigation techniques for various system configurations.
- Demonstrated a demo of a cache-side channel attack involving 3 systems to monitor private key theft through cache memory.

PROJECTS

NEURAL NETWORK-DRIVEN HISTOPATHOLOGICAL TUMOR CLASSIFICATION (Aug 2024 - Present)
Created machine learning models to classify gastric and colonic epithelial tumors into adenoma and adenocarcinoma with 84% accuracy, accelerating cancer diagnosis using the Inception V3 model.

TRANSFORMER BASED STOCK PRICE PREDICTOR (STOCK CODER) (Jan 2024 – May 2024)
Executed an encoder part of the transformer architecture for predicting the closing price of the stocks of a finance sector from NASDAQ based on 2001-20 data, which was pre-processed with the help of Python. The model had an accuracy of 81%.

LAYOUT LEARNER (Jan 2024 – May 2024)
Developed optimized keyboard layouts using reinforcement learning techniques, incorporating Q-learning and deep Q-learning, utilizing a reward system to evaluate and improve various layout models with existing layout models.

VOLUNTEERING

- Entrepreneurship Cell, SASTRA – Led teams of about 50 students across marketing, media, and treasury divisions for 2.5 years.
- Eegai Thadam orphan home – Raised funds and participated in activities for a children's welfare club in Trichy, supporting and educating basic courses for multiple orphan and disabled children.
- Tamil Club of SASTRA – Organized and led teams for Tamil cultural activities and won 4 cultural events as a drama team.