VARSHA KUMAR

varshaprv19@gmail.com • (631) 636-5484 • https://www.linkedin.com/in/varshakumarcs/ • U.S. Citizen

EDUCATION

Texas A&M University – College Station, TX   **Graduation Date: May 2027**
B.S in Computer Science   **GPA: 3.64/4.00**
Relevant Courses: Program Design and Concepts, Discrete Structures for Computing, Introduction to Computing + Lab, Linear Algebra, Data Structures, Algorithms, Computer Organization, Programming Languages, Technical Professional Writing, Engineering Calculus I, II & III, Intro to Computer System, Foundations Software Engineer

SKILLS

Programming Languages: Python, C++ and Java, JavaScript, Haskell

Frameworks: React, Angular, Spring Boot, Flask, Node.js, Docker, Git, CI/CD, AWS, Azure

Miscellaneous: Jupyter Notebooks, MongoDB, PostgreSQL

PROFESSIONAL EXPERIENCE

iMutoSoftware Solutions - Software Engineer Intern; Austin, Texas   **May 2025 –Aug 2025**
- Contributed to the **backend development** of a **PepsiCo agricultural analytics platform**, designed to support **farm plantation monitoring** and **data-driven decision-making**
- Implemented **RESTful APIs** and integrated **data visualization** features, including **bar graphs** and **statistical charts**, to provide clear insights into **farm performance**
- Collaborated with cross-functional teams to build **scalable backend services** using **Python (Flask)** and **PostgreSQL**, ensuring efficient **data processing** and **reporting**
- Applied **DevOps practices** such as **CI/CD pipelines**, **containerization (Docker)**, and **cloud deployment** to streamline development workflows and maintain **system reliability**

Naas.ai - Software Engineer Intern; Barcelona Spain   **May 2024 –Aug 2024**
Data Infrastructure Team
- Wrote **Python** scripts to extract large data sets to support model training; tested on **Jupyter Notebooks**
- Integrated **data layer to external data APIs** (GitHub, Instagram, etc.) using **Python**
- Contributed to **Python filtering layer** that tagged search queries; utilized **collaborative filtering**
- Reduced Instagram **data parsing by 15%** on data plane utilizing **new caching approaches**
- Worked internationally across time zones, cultural, and language barriers
- Helped scope and plan out **new data pipeline infrastructure** for model training purposes

PROJECTS

Project School Safety - *Founder/Software Engineer*
- Built out a new access management system for a local low income high school via keycard system
- Saved school **thousands of dollars** in software costs, built with **Java, AWS, React and Spring Boot**
- Utilized **client-side caching** and OOP design principles

"GlamUp" – A Virtual Stylist & Wardrobe Organizer App - *Founder/Software Engineer*
- Designed and developed a **full-stack virtual wardrobe app** using React and Firebase
- Developed dynamic UI/UX with theme personalization, improving user engagement

ACTIVITIES

Swaram Acapella – *President and Choreography Director*; College Station, TX   **Sept 2023 – Current**
- Competing with music through the fusion of South Asian and Western cultural influences, **nationally ranked 4th**
- Transferred and taught self-generated choreography for a 10-minute musical composition, **mimicking skills in CS**