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Akhila Susarla
Data Scientist and Self Learner

Education

SRM University AP – Andhra Pradesh, India	*Jul 2019 - Jun 2023*

Bachelor of Technology in Computer Science (AIML); *CGPA: 9.1 / 10*

FIITJEE Junior College – Telangana, India	*2017 - 2019*

Aggregate: 946 / 1000

Little Flower School – Telangana, India	*2017*

CGPA: 10 / 10

Skills Summary

Knowledge: Data Structures, Algorithms, Problem-Solving, Object-Oriented Programming, Data Science, Machine Learning, Frontend Development, UI/UX
Languages: C++, Python, C, JavaScript, SQL
Frameworks: PyTorch, vue.js, Quasar Framework
Tools: Git, AWS (Sagemaker, S3, Cloudwatch), MySQL, Postman
Platforms: Windows, Linux, Amazon Web Services (AWS), Microsoft Azure
Others: Unity3D (Game Development, AR/VR), Adobe Photoshop

Experience

Data Scientist – 1 (Employee)	*Jan 2024 – Present*
Associate Engineer (Employee)	*Jul 2023 – Dec 2023*
Associate Machine Learning Engineer (Intern)	*Jul 2022 – June 2023*

Pune, Maharashtra
InFoCusp Innovations

- Leverage AI models for Chemical and Energy optimization in water treatment and distribution plants.
- Collaborate with client stakeholders to discover business trends and patterns. Evolve, design and execute various data cleaning and modelling strategies aligning with business rules to help forecast insights.
- Drive business outcomes by improving predictability, superior decision making, maximize the profits and deliver value to client stakeholders.

Research Intern

Amaravati, Andhra Pradesh

SRM University - AP	*Jun 2021 – Aug 2021*

- Completed research internship with faculty on Predicting the Rise and Fall of COVID-19
- Devised mathematical approach in combination with regression algorithms for the same using sklearn and matplotlib.
- The model has predicted the number of cases and deaths with an accuracy of 95.2% and 93.9% respectively.

Graphic Designer

Amaravati, Andhra Pradesh
CLAPP

- Developed Mock-up and designed the screens and Playstore Banners for the app.

Projects

- **FarmWorm –** Developed a game on Unity3D using C# with an objective to emphasize on the traditional Indian farming practices to cater as a crucial tool to effectively and interactively educate the user on the

same. Worked on the logic and implementation behind the day-night cycle, coding the physics behind the objects, their movement, lighting, etc. of the game.
- **Warehouse Management System –** Built Dashboard and Insights pages with vue.js and Quasar Framework in order to make data tracking and understandability easier for non-technical stakeholders.
- **Resource Monitor –** Developed an application using tkinter and psutil Python libraries and Operating Systems concepts to provide information on the system's network usage, current running processes and statictics about the main memory and disk space.
- **AR/VR Apps and Games –** Developed many interactive VR apps like VR itinerary using Vuforia and Unity3D AR apps using C# combined with image processing to make learning fun for kids. Developed games with Unity3D and C# insipred from Temple Run, Space Shooter, Flappy Bird, etc. Additionally developed a GPS App with the same as a part of a project for AmiHacks - 2020
- **Cab Booking Interface –** Developed an interface as a part of Object-Oriented Programming project using Java, to provide the users with an effortless and hassle-free cab booking experience.

Achievements

- Secured a position as a **Finalist** in **Toycathon 2021** organized by the Government of India. (14,000+ teams)
- Bagged **1st prize** in **Strokes of Genius** event, in Infin8 – 2021, organized by IIIT Bangalore. (winning sketch)
- GRE: 314 (159Q, 155V)
- IELTS: 7.5

Research Works

- **Research Paper –** Presented a paper at 12th International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA 2023), on "A study of Influence Maximization in complex networks" that has been published on Springer.
- **Research Work –** Worked on "Exploiting Data Mining and Machine Learning Techniques to Predict the Instructor Performance". Played a key role in creating the synthetic dataset that was used as a part of this work and algorithm for stacking the existing ML algorithms to produce better predictions.

Leadership Roles

- Board Member of ACM Women's Chapter of SRM University – AP, Amaravati.
  Organized coding events in college and some exclusively for women.
- Organizer of HackSRM 2.0 and several other coding competions in college for TechFest SRM AP – 2019.
- Member of NextTech Lab – AP. Collaborated with peers in the Lab for many Projects, Hackathons and for Organizing Technical Events in the college.

Certifications and Courses

- Oracle Cloud Infrastructure Foundations 2021 Associate
- Skills Badges and Quest Completion and Badges - Google Cloud Qwiklabs
- Microsoft Azure Badges and Trophies
- Problem Solving Basic and Python Basic certifications – HackerRank
- Korean Basics – Coursera

Community Involvement

Volunteered from 2015 to 2016 at the old age homes that were taken care of by our school. Helped in gathering donations, purchasing essentials and helping them in-person.