Banudeep Reddy Gade

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EDUCATION

Master of Science, Computer Science — Aug 2023 - Expected Graduation: April 2025
George Mason University (GMU), Fairfax, VA

Bachelor of Technology, Computer Science — July 2018 - May 2022
Visvesvaraya National Institute of Technology, Nagpur, India

TECHNICAL SKILLS

Programming Languages: Python, C, C++, Java, SQL, HTML, CSS, JavaScript.
Softwares: GCP, GIT, Jupyter Notebook, Microsoft Office Suite, Eclipse, VS Code, DevC++.
Certifications: **GCP** Associate Cloud Engineer, Professional Data Engineer.

EXPERIENCE

Academic Mentor, George Mason University. — Feb 2024 - May 2024

- Played an integral role in supporting the delivery of academic supports needed for academic and personal success of middle and high school students.

Software Engineer, Persistent Systems Limited, Hyderabad, India — Jun 2022 - July 2023

- Created stored procedures and custom SQL queries for data migration from clients databases to GCP big query using DBT cloud.
- Developed python code to automate verification of the migrated data.
- Prepared and delivered reports, recommendations, or alternatives for improving processes in the technical tools used.

Software Engineer Intern, Vsoft Technologies Pvt Ltd, Hyderabad, India — June 2020 - July 2020

- Worked on a project involving data extraction using OpenCV and python from a nationally issued identification card.
- Verified if the extracted data is valid.

Software Engineer Intern, Amazon Pvt. Ltd, Hyderabad, India — June 2021 - August 2021

- Completed the Student Project for automated testing tools at Amazon Web Services.

PROJECTS

Tetris — February 2018

- A puzzle video game using python and pygame for game mechanics.
- Created a GUI using Tkinter.

Emotion Detection — November 2020

- Collected the data of human facial emotions.
- Trained and detected facial emotion from an image using VGG16 convolution neural network with high accuracy.
- Used TensorFlow and keras.

Quantum Key Distribution — July 2021 - April 2022

- Implementation and Comparison of Discrete and Continuous Variable Quantum Key Distribution Protocols such as BB84, Ekert91, RSP-B92 with Qiskit.
- Evaluated security of the protocols.

ACTIVITIES

Coordinator, PULSE 2022 - Cultural fest of Persistent — January 2023
Event Volunteer, AXIS 2020 - Tech fest of VNIT — February 2019