PRATIK AGARWAL

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EDUCATION:

Arizona State University, Tempe, AZ   **Expected December 2023**
Master of Science in Information Technology   GPA – 4.0 / 4.0
Relevant Courses: Advance Database Management Systems, Cloud Computing, Data Analytics and visualization

SRM Institute of Science and Technology, Chennai, IN   **May 2019**
Bachelor of Science in Information Technology   GPA – 7.15 / 10
Relevant Courses: Data Structures and Algorithm, Computer Architecture, Software Design, Operating Systems

WORK EXPERIENCE:

Infosys Ltd, Pune, India: September 2019 – December 2021
Senior Systems Engineer
- Composed scripts to retrieve 100K+ user information, reducing migration time by 50%.
- Used Python to create at least 20 efficient and effective software solutions.
- Fixed over 100 bugs in the client's tool, reducing customer wait time by an average of 6 hours.
- Created 20+ analytics dashboards using Power BI, imported from Azure SQL and CRM Database.
- Analyzed metrics to estimate and reduce the chances of outages by 20%.
- Enhanced 100+ testing processes to ensure software quality and reliability.
- Mentored a team of 30 junior developers and provided technical guidance.

Projects:

Blood Management System: *(DBMS)*   October 2022
- Performed preprocessing to remove redundant data and constructed 8 entities in the ORM Model.
- Converted the model into the relational schema to implement all the 8 entities into the SSMS.

Dynamics Assignment: *(Microsoft Azure)*   March 2021
- Implemented a CRM bot using Python to assign tasks in the round robin format.
- Created 2 queues to add conditions for task assignment.

Flood Relief: *(Web)*   October 2018
- Developed a website to track the location and information of people stuck in floods.
- Helped more than 1000 people rescue and receive medical assistant during flood time.
- Configured a map for users to pin the live location and other details.

Medical Help Desk: *(Web)*   November 2016
- Designed a dynamic medical healthcare website for doctors and patients to interact.
- Implemented a database to securely store patient health data, reducing paperwork by 80%.

University Leadership:

SRM University, Chennai, India: August 2016 – November 2018
- Organized 2 hackathons and numerous technical events as a member of the college tech club.
- Coordinated the college department fest 'Aurganon' for 2 years.
- Provided cloud computing training to over 300 college students.
- Represented the college in the Tamil Nadu government coding competition twice.
- Served as a technical lab assistant for the IT department for 2 years.

Skills:

C | C++ | Java | Python | SQL | KQL | JavaScript | Mongo DB | jQuery | Tableau | Spark | React | Node JS | Frontend | Backend | AWS | GCP | GIT | Matplotlib | Seaborn | Decision-making | Problem Solving | Logical Thinking | Communication | Positivity | Flexibility | Agile methodologies | Collaboration | Project Management | Continuous Learning | Quality Assurance

Others:

Awards: Rookie of the Quarter | Best Research Paper | Best Project Contributor | You made a Difference
Publication: Study on Smart TV Using Raspberry PI | Study on my Private PI
Community Involvement: Student Coordinator | Volunteer in MAD India