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| **SUMMARY** |

I have gained more than two years of experience while working in technology start-ups where I have learnt to self-learn, optimize resources, and be exposed to projects out of my comfort zone. My master’s is helping me become a strong professional where I am learning how to share my knowledge, collaborate with researchers and develop real-time technological solutions. I want to gain valuable experience which can help in understanding business processes and technological trends.

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| **ACADEMICS** | | | | |
| **Degree** | **Institute** | **Major/ Specialization** | **Start-End** | **CGPA** |
| MS | Arizona State University (ASU) | IT (Information Systems Management) | Aug’21 - May’23 | 4.3/4.0 |
| B. Tech. | Jaypee Institute of Information Technology | Computer Science Engineering | Jul’15 - Jun’19 | 8.4/10 |

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| **TECHINICAL SKILLS** | |
| * **Lang**: Python, C#, Shell, R, C,C++, Java, HTML, CSS, MySQL, PostgreSQL | * **OS**: Windows, Linux, Ubuntu |
| * **Tech**: NLP, Image Processing, OpenCV, Machine Learning, Data Analytics | * **Exp**: Data Extraction, Flask API, Docker |
| * **Cloud**: GCP, AWS EC2, CloudWatch, Lambda, DynamoDB, Cosmos DB | * **Methods**: Microservices, Agile, Angular |
| * **Tools**: Anaconda, PyCharm, SSMS, Couchbase, ADO, JIRA, GIT, Tableau, Spark, Postman, MS Office, Tealium, SPSS | |
| * **MS coursework**: Natural Language Processing, Big Data Analytics, Data Visualization, Information Systems Development, Advanced Database Management, Middleware Programming, Cloud Architecture for IT, and Developing Security policies. | |

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| **ACADEMIC PROJECTS** | | |
| **Project Name** | **Duration** | **Technology/ Tools** |
| Research on Sarcasm Detection | Dec 2021 – Present | Python |
| Batcher Banyan Network | Oct 2021 – Nov 2021 | Python |
| Project Management Case Study | Sept 2021 – Nov 2021 | Microsoft Project, Word, PPT |
| Prediction of mental health of a tech employee | Sept – Dec 2021 | NLP, Machine Learning, Python |
| Indian Language Spell Checker system | Aug – Oct 2020 | NLP, Python |

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| **WORK EXPERIENCE** | |
| **Software Engineering Intern**, arrivia (Internship) | Jun 2022 – Aug 2022 |
| * Performed POCs to shift logics implemented in the frontend code to backend modules enabling light weighted UI. * Transformed backend modules into microservices architecture enabling better code maintenance and code readability. | |
| **Teaching Assistant**, Arizona State University (Part Time) | Feb 2022 – Present |
| * Assisted the professor with the coursework of Information Modelling, Storage, and Retrieval * Helped with revamping the course structure, curriculum and graded, tutored the students | |
| **Tutor**, Arizona State University (Part Time) | Dec 2021 – Feb 2022 |
| * Tutoring students on subject areas majorly; Math, Computer Science, Excel / Google Analytics, Software Engineering, Programming Languages like C, MATLAB, and Python, Physics, and Chemistry. | |
| **Associate Software Engineer – R&D**, VITRANA (Full Time) | Jul 2019 – Aug 2021 |
| * Worked as a full stack developer and automated the legacy data extraction system using machine learning algorithms. * Integrated the database microservices, performed code review, debugging, and testing to decrease 40% of production issues. * Developed a generalized redaction API for protecting patient-specific data for different types of templates using image processing methods and designed proof of concepts to transform the legacy system into a microservices framework. | |
| **Software Developer Intern**, Doorastha Analytics (Internship) | May 2018 – July 2018 |
| * Handled databaseadministration for storing, visualizing solar data and reconfigured database to reduce costs by 20%. | |
| **Python Developer Intern**, Finessy (Internship) | Mar 2018 – May 2018 |
| * Worked in a team project to create different encryption modules for block chain models and learned to store medical data. | |

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| **PUBLICATIONS** | |
| [Design and Implementation of NLP-based Spell Checker for the Tamil Language](https://doi.org/10.3390/ASEC2020-07636) | Nov 2020 |
| [Image Resolution Enhancement Using Convolutional Autoencoders](https://doi.org/10.3390/ecsa-7-08259) | June 2020 |
| [A Novel IN-Gram Technique for Improving the Hate Speech Detection for Larger Datasets](https://doi.org/10.1007/978-981-15-2329-8_62) | Aug 2019 |
| [Prediction Model for Automated Leaf Disease Detection & Analysis](https://doi.org/10.1109/IADCC.2018.8692116) | Dec 2018 |

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| **EXTRA CURRICULAR ACTIVITIES** | | | |
| **Leadership** | * Secretary at the Asian Corporate & Entrepreneur Leaders: ACEL chapter, ASU | | 2021 |
| **Certifications** | * Machine Learning A-Z course in Python and R * Understanding Google Cloud Fundamentals | * LinkedIn Learning Statistics foundational courses * Foundations: Data, Data Everywhere (Google) | |