

EDUCATION:

- Blacksburg, VA* **Virginia Tech University** *August 2022– May 2024*
- Master's degree in Computer Science, **GPA- 4.0/4.0**
 - Double specialization in Software Engineering and Artificial Intelligence
 - Coursework: Software Engineering, Web Application Development, User Interface Software, Data Analytics, Advanced Machine Learning, Intermediate Data Structures in Java, Software Design and Quality, Database Management Systems.
- Pune, MH, India* **Vishwakarma Institute of Technology** *August 2016 – October 2020*
- Bachelor of Technology, Electronics and Telecommunication, **GPA- 3.98/4.0**
 - Coursework: Data structures and Algorithms, Object Oriented Programming, Natural Language Processing, Multivariate Calculus, Computer Programming, Probability and Statistics, Linear Algebra, Data Communication, Database Management.

TECHNICAL SKILLS:

Programming Languages: Java, Python, SQL, JavaScript, C++
Web Technologies: VueJS, NodeJS, ReactJS, Angular, REST, HTML5, CSS, Bootstrap, jQuery, Microservices
Frameworks & Tools: AWS (SAA Certified), Spring, Junit, MySQL, Git, Pandas, Scikit-learn, NLTK, OpenCV, TensorFlow.
Technical Interests: Software Engineering, Web Application development, Cloud Computing, Machine Learning, Data Analytics, Object-oriented programming.

EXPERIENCE:

- Chicago, IL, USA* **CCC Intelligent Solutions** *May 2023 – August 2023*
Software Engineer Intern / Vue.js, JavaScript, AWS, Full-Stack Development
- Spearheaded the end-to-end design and development of a web application to eliminate **100%** manual workload through the automation of XML rule file creation, saving an average of **15 hours** per week for each team.
 - Crafted an intuitive user interface, backed by a collection of automation scripts. This strategic implementation improved user satisfaction ratings by **25%** due to the more intuitive interface.
 - Actively collaborated and proactively conducted research regarding the implementation, testing and deployment plans.
- Pune, MH, India* **HSBC Software Development India** *Sept 2020 – June 2022*
Software Engineer / Java, Spring Boot, Python, Data Analysis, Full-Stack Development
- Orchestrated a Batch system to process large volume of customer data and led cross-functional scrum meetings.
 - Automated the setup of new region schemas by developing a suite of Python scripts, resulting in a remarkable **50%** reduction in manual efforts and generating annual cost savings of **approximately \$50k**.
 - Engineered a data pipeline using Spring Boot to handle records from Middle East countries. Oversaw **end-to-end deployment activities** such as SIT and UAT testing, task scheduling, Linux shell scripting, debugging, and collaborative issue resolution.
 - Employed Agile methodologies to proactively monitor project timelines and address potential issues efficiently.
- Pune, MH, India* **Quiesta Technologies Pvt Ltd** *Jan 2020 – June 2020*
Software Development Intern / JavaScript, React, Node, Web Application Development
- Designed and developed JobCart, an online job application portal connecting employers with applicants from all over the city.
 - JobCart featured **1,000+** active job listings from **100+** employers, managed a user community of **10,000+** active job seekers.
 - Implemented a layered architecture, ensuring an organized and maintainable design for the system with REST APIs for request and response management.
- Pune, MH, India* **Inteliment Technologies Pvt Ltd,** *August 2019 – Jan 2020*
Product and Technology Intern / Python, Machine Learning, Natural Language Processing
- Constructed a **Resume Parser** for parsing pertinent information like contact details, skills, educational qualifications and experience to easily determine the relevance of a candidate to a job profile using SpaCy and NLTK with an accuracy of **93%**.
 - Evaluated performance of different **Text Summarization** algorithms on lengthy research papers.

PROJECTS AND PUBLICATIONS:

- Pay & Park- Automatic paid car parking system | Python, Deep Learning, Mobile Application**
- Created a Pay & Park android application to address the issue of rush-hour traffic congestion leveraging Artificial Intelligence.
 - Designed Number plate detection and character extraction module using RPN & Faster R-CNN which provided excellent detection accuracy of **98% in 0.8 seconds** reducing the time required by about **45%**.
- Home Surveillance System | Python, Deep Learning, Computer Vision, Facial Recognition**
- Designed a Face Detection and Recognition System using Deep CNN to identify visitors as known or unknown people with detection accuracy of **95%**. This data was stored in file system with images and timestamps to track any activity in past.

CERTIFICATIONS:

- **Oracle Certified Associate Java SE 8 Programmer | Oracle** *March 2022*
- **AWS Certified Solutions Architect Associate (SAA-C02) | AWS** *June 2022*