Srijita Chandra

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EDUCATION

PhD, Computer Science   August 2021 - Present
Iowa State University, Ames, IA   3.81
Courses: Advanced Databases, Machine Learning, Reinforcement Learning, Algorithms

Bachelor of Technology, Information Technology   July 2014 - May 2018
SRM Institute of Science and Technology, Chennai, India   9.40/10.0
Courses: Data Structures, Analysis of Algorithms, Introduction to Machine Learning, Data Mining and Data Warehousing, Software Engineering

TECHNICAL SKILLS SUMMARY

Languages:	Python, JavaScript, Java, Node.js, C#
Databases:	MySQL, Neo4j, Oracle SQL, MongoDB
Web Technologies:	HTML5, Less CSS, Bootstrap, Knockout JS
Tools:	Eclipse, Jupyter, Atlassian JIRA, Postman, ServiceNow, VS Code
Technologies/Frameworks:	BLAST, Oracle Commerce Cloud, Power BI, jQuery, RESTful API

RESEARCH EXPERIENCE

Graduate Research Assistant, Iowa State University, Ames, Iowa   **August 2022 - Present** (12 months)

- Developing a software for Basic Local Alignment Search Tool (BLAST) implementation specific to the porcine reproductive and respiratory syndrome (PRRS) virus using a private database
- Assisted in writing research proposals for funding opportunities

TEACHING EXPERIENCE

Graduate Teaching Assistant, Iowa State University, Ames, Iowa   **August 2021 - May 2022** (10 months)

- Mentored 30+ undergraduate students in small group setting for project development course (COMS 309)
- Provided guidance on skills, methods, and techniques while offering timely feedback
- Conducted help sessions, graded assignments, and reported grades online

PROFESSIONAL/INTERNSHIP EXPERIENCE

Application Development Intern (Remote), IDramp, Iowa, USA   **June 2022 - August 2022** (3 months)

- Collaborated with senior developers to enhance user experience on company website
- Developed scalable web application frontend for hosting online events
- Presented design ideas in weekly meetings and showcased completed projects

Systems Engineer, Tata Consultancy Services, Chennai, India   **July 2018 - July 2021** (3 years)

- Implemented E-commerce system for US client, Zebra Technologies Corp., using Oracle Commerce Cloud
- Developed user-friendly functionalities, integrated external systems for smoother transactions
- Led software development, participated in daily scrum calls, interacted with clients
- Trained new recruits in the team

Freelance OCC Developer, Chennai, India   **May 2020 - October 2020** (6 months)

- Freelance Oracle Commerce Cloud developer for US client, Pierce Washington
- Created user-friendly interfaces for E-commerce websites to enhance user experience

PROJECTS

Comparison of Optimizers implemented in Generative Adversarial Network (GAN)   **Tech:** Python

- Compared optimizing algorithms on Generative Adversarial Network (GAN)
- Used MNIST dataset to evaluate efficiency of algorithms
- Conducted research at SRM Institute of Science and Technology, India — Duration: 4 months

Home Made Easy   **Tech:** R, PHP, JavaScript, HTML, CSS, Bootstrap

- Developed website for selecting domestic help services
- Implemented login session handling and authentication control

Bookaholics   **Tech:** PHP, JavaScript, HTML, CSS, jQuery

- Created online library for uploading and downloading e-books
- Implemented user access control and login authentication

PUBLICATIONS

- Srivastava, M., S. Pallavi, Chandra, S. (2018). Comparison of optimizers implemented in Generative Adversarial Network (GAN). International Journal of Pure and Applied Mathematics.

Training/Certification

Data Analytics: Sentiment Analysis on Twitter Dataset   **Tech:** Python
- Analyzed sentiment of tweets using extracted Twitter dataset
- Cleaned data and implemented algorithm

Leadership and Co-curricular

- Public Relations Organizer, IT Association, SRM Institute of Science and Technology (Academic year 2016-17)
- Organizing Team, SRM Hackathon (Academic year 2016-17)
- Committee Member, IT Association, SRM Institute of Science and Technology (Academic year 2015-16)
- Team Member, The Gaming Fest, Milan'16 (Cultural Fest), SRM Institute of Science and Technology