Suraksha Tasgaonkar

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Skills

- **Languages:** Java, C#, C/C++, Python
- **Backend Technologies**: Microsoft .Net Core, Web API, Node.js, PHP
- **Frontend**: Angular, React, Vue.js, JavaScript, HTML/CSS
- **SQL and NoSQL Databases**: MS SQL Server, Oracle, MySQL, Cassandra, MongoDB
- **Tools and Technologies**: Docker, Jenkins, TensorFlow, Machine Learning Algorithms
- **Processes**: Spearheaded teams using Agile processes as a scrum master

Work History

Research Assistant

Old Dominion University, Norfolk, VA, USA   *May 2021 - Current*

- Developed Chrome Extensions that enables visually challenged users of Google Docs access its features efficiently.
- Designed a software using Logistic Regression and K-Fold validation to compare products available on various e-commerce websites, achieving an accuracy of 94.6%.

Teaching Assistant

Old Dominion University, Norfolk, VA, USA   *Jan 2021 – Apr 2021*

- Delivered lectures to 40 undergraduate students for the course CS120/121g - Research methodologies.
- Collaborated with professors on test administration, curriculum development and assignment grading.

Research Intern

Old Dominion University, Norfolk, VA, USA   *Jun 2020 – Dec 2020*

- Researched and interpreted large volumes of voice data to detect agitation in an individual. Conceptualized the solution using keyword searches, speech to text engines and Naive Bayer classifier, achieving 89% accuracy.
- Improved monitoring of social behavior metrics by developing a website using React and MongoDB for Virginia Health Department.

Research Intern

Old Dominion University, Norfolk, VA, USA   *Jul 2019 – Aug 2019*

- Devised a machine learning engine that enables detection of aggression in Alzheimer's patients. Secured an accuracy of 80%, using Decision Tree algorithm.
- Automated the generation of GitHub repositories using Git API and Jenkins CI/CD pipelines increasing the build and create time efficiency by about 50%.

Software Engineer Intern

Castleton Technology India Private Limited, Bangalore, India   *May 2018 – Jul 2018*

- Teamed up with 4 software engineers to create a toolkit meant for developing mobile applications for the Social Housing sector in UK, thereby providing a 20% increase in development capacity.
- Designed and developed generic REST-based services using ASP.Net Core Web API and Entity Framework thereby reducing the code by about 30%.
- Worked independently to build 5 critical frontend pages using Angular and componentized design.

Education

Master of Science: Computer Science

Old Dominion University, Norfolk, VA, USA   *Jan 2021 – Current*

- Current GPA: 3.9

Bachelor of Engineering: Computer Science

BNM Institute of Technology, Bangalore, India   *Aug 2016 – Sep 2020*

- GPA: 3.31
- Research Project: Candidate talent assessment through Recommender Systems using Machine Learning.
- Academic Project: Shortest Path Finder algorithm using Java and Google Directions API, achieved 70% accuracy.
- Organized inter-collegiate TATVA event for 2 years

Certifications

- Deep Learning
- Docker with Kubernetes
- Amazon Web Services (AWS) – currently underway