Niharika Dalal

Seeking an **internship** or a **cooperative education** position for **Summer** and **Fall 2018**.

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EDUCATION

Rochester Institute of Technology, Rochester, New York — *Master in Software Engineering* [AUGUST 2017 - PRESENT (EXPECTED GRADUATION: MAY 2019)]

• Relevant courses: Foundations of Software Engineering, Software Modeling, Software Quality Engineering, Process Engineering, Evolution and Re-engineering.
• GPA: 3.78/4.00

Mukesh Patel School of Technology Management and Engineering, Mumbai, India — Bachelor in Computer Engineering [JULY 2013 - MAY 2017]

• Relevant courses: Object-Oriented Software Engineering, Design & Analysis of Algorithms, Intelligent Systems, Software Quality Assurance & Testing, Data Structures.

EXPERIENCE

Rochester Institute of Technology, Rochester, New York — *Graduate Assistant* [AUGUST 2017 - PRESENT]

• Assisting a professor in his research project on developing visual analytics for software team using data mining and Natural Language Processing.
• Creating a website for his research project.

Hindustan Petroleum Corporation Limited (HPCL), Mumbai, India — *Summer Trainee* [MAY 2016 - JUNE 2016]

• Worked on front-end development with Dreamweaver; designed responsive and adaptive webpages for the website of HPCL, participated in development of the Indian Institute of Petroleum and Energy website.
• Led a team of four, took initiative to present and explain the work done to the senior members in the project.

PROJECTS

The Wegmans' Assistant
• Built an application allowing users to interact using text or speech with the Google Assistant to search for availability of a specifc product sold by Wegmans at a store nearest to the user.
• Technologies used were Wegmans' API, Google Cloud Platform, Google Assistant, nodeJS, JavaScript (axios, geolib libraries).

Visualization Tool for Sentiment Analysis
• Developed a tool to visualize sentiments from textual data.
• Extracted a relay chat data using Beautiful Soup, a Python library, and created the visualization tool using D3.js.

Webcheckers
• Created an online version of the game of checkers using the Java Spark framework.
• All stages of SCRUM in a software development life cycle were carried out including completion of the project in sprints.
• Made use of technologies such as Free Marker Templates, JUnit, Mockito, JaCoCo (for Code Coverage), Github, Trello, Slack and LucidChart.

Software Application Mining 2018
• Developed a web application to build a platform allowing for submission of papers by authors, assignment of the submitted papers to the committee members (PCMs) by the committee chairs (PCCs) and reviewing of the papers by the PCMs and finally by the PCCs.
• Used technologies such as Java Spark, Github, Trello, LucidChart.

Anunciar
• Created a progressive web app called, 'Anunciar', a message delivery platform, restricting communication of messages in a unidirectional manner.
• Created it to address the issue of spam messages on group chat applications.
• Implemented it using Ruby on Rails.

TECHNICAL SKILLS & TOOLS

Language:
Python, Java, Django, HTML5, CSS3, Bootstrap, C/C++, C#, MySQL, jQuery, JavaScript, D3.js, Ruby, Rails, Object-Oriented Design

Tools:
Pycharm, NetBeans, IntelliJ IDEA, StarUML, Photoshop, Git, Inkscape, Dreamweaver, Illustrator, GIMP, Matlab, Android Studio, Octave

LEADERSHIP / EXTRACURRICULAR ACTIVITIES

• Participated in BrickHack4, a hackathon organized by Rochester Institute of Technology.
• Took online courses on Software Development Process.
• Took a certified course on 'Object Oriented Programming using C#'.
• Co-founded the Linux User Group in my undergraduate college to promote the use of Linux.
• Executive member of 4C - The Marketing Cell, in undergrad.
• Executive member of the student chapter of Association for Computing Machinery (ACM).
• Executive member of Social Impact, which organized blood donation drive and encouraged students to teach at not-for-profit organizations.
• Involved as a part of the Digital Creative team of Sattva, in 2016, as a graphic designer.