# Swagat Dash

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## Profile

A Computer Science Enthusiast motivated to solve real world problems using modern technologies. As a full stack developer, I developed solutions to address usability issues and increase product performance by 20% and also worked on making products adaptable and accessible to a broader audience by making them WCAG level AA Accessibility compliant. I am eager to contribute to building cutting edge solutions.

## Education

**M.SC. IN COMPUTER SCIENCE (DATA SCIENCE)**
Trinity College, Dublin, Ireland | August 2021 - Present
· Have Achieved overall distinction in Semester – I

**BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING**
C. V. Raman college of Engineering, Bhubaneswar, India | August 2013 - June 2017
· Cumulative GPA: 7.82 / 10.0

## Employment History

**MetricStream Infotech Pvt. Ltd.**
MTS - Application Development                                                      APRIL 2018 - AUGUST 2021 | BANGALORE, INDIA
· Implemented Accessibility for the MetricStream application using technologies like BackBone JS, JavaScript, HTML5, CSS and thus enabling the product to achieve WCAG level AA & section 508 certification.
· Delivered a POC to integrate MS-Office with MetricStream application for cross-referencing using Java, React JS and ArangoDB (Graph DB). It was productized as part of the MetricStream M7 application in the subsequent release.
· Utilized PL/SQL, Javascript and Java to develop many product features such as Multi-Dimensional Organization Structure, Multi-char Validation in Forms, Tree Grid visualization implementation, etc.
· Handled QA issues with quick turnaround time and helped customer support teams to resolve customer facing issues.

## Skills

**Programming:** JavaScript | Python | SQL | CSS | HTML
**Libraries / Frameworks:** jQuery | Node.js | React | BackBone | Django
**Database:** Oracle | MongoDB | ArangoDB
**Tools / Platforms:** AWS | Git | JIRA | Confluence

## Projects

· **Master's Thesis**: On-going research on Conversational User Interfaces to develop a prototyping tool which lets users create intelligent CUIs that effectively get embedded into any workflow for running experiments to understand how different design characteristics affect the user experience.
· Developed my portfolio website using MongoDB, React and Node.
· Developed Paint-Splat Multi-Player game using React-Native, Django and AWS (IoT Core and Lambda functions)
· Developed Sustainable City Management Dashboard to view live commute options, check predictions and suggestions and report incidents across city using React, Django and AWS.

## Achievements

· Was awarded with the Quarterly Award twice for my performance at MetricStream Infotech Pvt. Ltd.
· Was the finalist of the CODE KING competition held by Google Developer Group, Bhubaneswar.
· Certified with the Business English Certificate (prelims) with merit held by Cambridge English.