Kunal Singh

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TECHNICAL SKILLS

- **Back-End**: Node Js, express.
- **Front-End**: HTML, CSS, Javascript, ReactJs, Styled-component, TypeScript.
- **Tools and Technology**: Eclipse IDE, Github.
- **Database Systems**: MongoDB(No SQL), MySQL
- **Operating Systems**: Windows, Linux.
- **Agile Methodologies**: Extreme Programming (XP), Design Patterns.
- **Programming language**: Java, Javascript, Python

EDUCATION

Master of Applied Computer Science   2018-2020

Concordia University

Bachelor of Technology-Electronics and Communication   2008-2012

National Institute of technology Durgapur, India

EXPERIENCE:

Front End Developer   Mar 2017-Aug 2018

Arctwist Technology Solutions, Kolkata, India.

    Designing, implementing and maintaining React based applications and delivering high availability and performance.

    Building solutions in Agile workflow and contributing in all phases of development cycle.

    Conducting software analysis, programming, testing and debugging.

ACADEMIC PROJECTS:

Concordia University, Montreal, Quebec

Risk Game 2019

    Developed a Risk Game in java using MVP architecture.

    Used multiple design patterns like: Observer Pattern, Singleton Pattern and Strategy Pattern.

Distributed Event Management System 2019

    Highly available distributed system by implementing a replication and master slave architecture.

    Implemented voting mechanism to give user the correct results for their requests.

Implementation of HTTP- protocols 2019

    Implemented HTTP protocols from scratch using TCP socket API with a client server Application.

    Implemented GET/POST methods from scratch.

Other Activities:

- Successfuly particated in **ILSVRC 2016** (ImageNet Large Scale Visual Recognition Competition) Image detection using MaConvNet, a Matlab toolbox implementing Convoluted Neural Network.

- Published conference paper "Dual band bandpass filter using stub loaded stepped impedance resonator for wireless application" in Institute of Electrical and Electronics Engineer(IEEE) **DOI:** 10.1109/ET2ECN.2012.6470072.