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# Avijit Bhattacharjee

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## Education

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**Saskatchewan, Canada**                      **University of Saskatchewan**                      **Winter 2019 – Present**

- M.Sc. in Computer Science & Engineering, Present. Course average: 89%
- Graduate Coursework: Intelligent Systems Design; Automated Software Engineering; Human Driven Software Engineering for Scientific Workflow; Advanced Software Engineering.

**Khulna, Bangladesh**                      **Khulna University**                      **Summer 2014 – Summer 2018**

- B.Sc. in Computer Science & Engineering, August 2019. CGPA: 3.74 / 4.0
- Undergraduate Coursework: Artificial Intelligence; Pattern Recognition; Data Warehousing and Mining; Information Security and Control; Computer Graphics; Compiler Design; Digital Image Processing; Database Systems; Algorithms; Assembly Language.

## Employment

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**Software Engineer, intern**                      **Trustaira Bangladesh Limited**                      **Summer 2017**

- Implemented a Proof of concept prototype in order to analyze sentiment in Bangla text written using English characters.
- Integrated python modules like pyAvroPhonetic, Textblob, Vader to accomplish Bengali Phonetic to Bengali, Bengali to English and then, English to sentiment analysis.

**Core CS Team Member(GWF)**                      **University of Saskatchewan**                      **Winter 2019–Present**

- Translated few files of CRHM project old version to new Visual Studio based MFC C++ language.
- Developed Restful API using Python and Flask for Nutrient App which is being now used by iOS, Android and website of the application.
- Built map for the website of Nutrient app which shows Nitrate, Phosphate concentration at different Geo-location using the data from API beforementioned.

**Graduate Teaching Assistant**                      **University of Saskatchewan**                      **Fall 2019–Present**

- In fall 2019, I was marker of Introduction to Programming(Python) course. My duty was to grade assignments, midterm and final papers.

## Technical Experience

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### Projects

- **Online Admission Test Registration System** (2017). Developed a web based application for admission test registration to get admission at Khulna University. PHP , MySQL, JQuery, Bootstrap, Sublime Text
- **PMS(Project Management Software Like Trello)** (2017). Developed a project management system like Trello which can be used by developers to add, update stories, assign tasks to others, change status in the dashboard and many other facilities. Laravel, PHP, Html, Css, Javascript
- **PIGEON (Online Bus Ticket Booking System)** (2016). Developed a web application which can be used to manage ticket selling of Bus service providers. PHP, Laravel, Javascript, Html, Bootstrap
- **TouchTypeMaster (Touch typing learning tool for windows)** (2015). Built an windows based desktop application which will help users to practice touch typing by tracking progress, teasing tests and interactive feedbacks. C#

## Additional Experience and Awards

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- **Deans Merit Scholarship (2015 – 2018):** This scholarship is provided to students of Khulna University who secure merit position in final exams.
- **Department Teaching Scholarship(2019-Present):** Receiving scholarship from CS department of University of Saskatchewan as Graduate teaching assistant.

### **Languages and Technologies**

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- Python(fluent), C++(fluent), Java(prior experience), JavaScript (prior experience), PHP(familiar)
- Vim, Pycharm, PgAdmin, Latex, Git, Amazon EC2
- Laravel(Prior Experience), Flask(Fluent)