

# Akash Poddar

SOFTWARE ENGINEER

Dhaka, Bangladesh

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## Education

### Military Institute of Science and Technology

BACHELOR OF SCIENCE IN COMPUTER SCIENCE ENGINEERING

2016-Ongoing

### Notre Dame College

HIGHER SECONDARY CERTIFICATE(HSC)

GPA: 5.00/5.00

2015

### St. Joseph Higher Secondary School

SECONDARY SCHOOL CERTIFICATE(SSC)

GPA: 5.00/5.00

2013

## Skills

**Languages** Python, Java, C, C++, Assembly, Shell Script, HTML, PHP

**Database** Oracle, MySQL, Firebase

**Development** Android, Web

**Operating System** Linux, Windows

**IDE** CodeBlocks, NetBeans, MATLAB, Android Studio, Microsoft Visual Studio Code, Packet Tracer, emu8086, Arduino, Wireshark

**Typesetting Software** ShareLaTeX (Overleaf v2)

**Word Processing, Project and Presentation** Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Microsoft Visio, Microsoft Project

**Graphics** OpenGL, Blender, Adobe Photoshop

**Industry Knowledge** Web and Technical content creation, Networking, Project Management

**Interpersonal Skills** Strategic planning, Leadership, Public speaking

## Research Interests

Data Science, Big Data, AI, Machine Learning

## Experience

### Hello Institute of Information Technology Ltd.

MENTOR

Dhaka

Jan. 2016 - Jul. 2019

- Enhance IT skills in young talents
- Guide in Programming, Web Development, Graphics Design, Digital Logic, Microsoft Office tools, Networking, Database, Hardware knowledge, Troubleshooting
- Develop as IT professionals

### Aamra Networks Limited

TRAINEE

Dhaka

Dec. 2018 - Jan. 2019

- Worked as a trainee as part of industrial attachment in the leading ISP provider of the country.
- Go through network industry and its pros and cons
- Gaining idea on networking PoPs, data center, internet bandwidth, internet connectivity, cloud service, product branding and client management.

## HANS

COORDINATOR

Dhaka

Jul. 2017 - Jul. 2019

- Creating awareness about Autism through various activities and events throughout the year
- Worked for betterment of Autistic children
- Arrange and coordinate events dedicated to special children
- Mentor and manage group of volunteers

## St. Joseph Literacy School

PART TIME TEACHER

Dhaka

Jul. 2011 - Dec. 2012

- Educational development of socially deprived children
- Part time teacher at regular shifts

## Projects

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### A Comprehensive Data Set for Classification and Analysis of Human Emotion using Physiological Signals

- Multimedia EEG dataset for human emotion analysis
- Machine learning approach for analysis
- Multimodal approach

### Weapon Zeroing and Warriors' Range Efficiency Analysis System of Small Arms for Bangladesh Army

- Making an effective zeroing tool to improve the accuracy of the firer thereby development of consistent shot firer will be ensured.
- To allow the sub unit commanders a scope of monitoring the results, and thereby the supervisors will be able to provide necessary correction for specific firers
- Making a database for firers to allow tracking of methodological development of firing standards thus individual interest and responsibilities will be improved.
- Minimizing the system loss by implementing application based target checking method which will incorporate AI for precision, and thereby human fatigue will be reduced, error detection, and MPI calculation will be automatic.

### Bridho-Android app for elderly citizen

- Android App to aid elder people with memory
- Provide care and physiological service aid

### DBMS for NGO

- Database management system for NGO focused on women empowerment
- Enhance administrative and fair management

### Transformer Simulator

- Transformer functionality simulation
- Real time output of transformer based on user input

### The Patriot-A Blender Animation Project

- Animation project to illustrate the valor of Bir Shrestho Ruhul Amin during liberation of Bangladesh in 1971
- Blender Animation

### Desktop Application for Exam Management

- Desktop based exam management application by JAVA
- Control from teachers to set questions
- Students record maintenance based on exam result

### Find the Path- A Microprocessor Game

- ATmega16 microcontroller based single player game
- Control from teachers to set questions
- 1 push button to pass over the ball(point) at several levels