

## EMPLOYMENT

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<b>Software Engineer</b>	<b>Erobyt, Dhaka (Bangladesh)</b>	<b>Sep 2018 – Present</b>
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- Worked as a Full-Stack Software Engineer in more than 20 projects.
- Constructing security framework to ensure 100% application privacy.
- Trained 20+ new employees on well-organized code standards.
- Fabricated RESTful API principles and handled 5x more requests.

<b>President</b>	<b>Foreign Students Studied in India (FSSII)</b>	<b>May 2016 – Present</b>
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- Responsible for reaching total members of 500+ in 1 year.
- Increased international collaboration by 40% with networking
- Leading the Web development and database maintenance team.
- Managed to achieve a 60% growth in lead generation.

<b>Artificial Intelligence Intern</b>	<b>KnightsRoboCorp, Bengaluru (India)</b>	<b>Jul 2017 – Aug 2017</b>
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- Built an Artificial Intelligence-powered interactive chatbot with AIML. Reduced time from  $O(n^2)$  to  $O(n \log n)$ .
- Increased accuracy of context recognition by 35% and optimized the brain for faster response by 40%.
- Developed an algorithm with permutation and combinations of keywords that completed the whole task in 30 mins which was expected to be completed by 200 engineers in 2 years.

## EDUCATION

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<b>Bengaluru, India</b>	<b>Visvesvaraya Technological University</b>	<b>Aug 2014 – June 2018</b>
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- Bachelor of Engineering in Computer Science and Engineering, First Class
- Notable Coursework: Data Structures, Algorithms, OOP, Software Engineering, Operating Systems, Databases, Programming Languages, Management and Entrepreneurship, Mathematics I-IV, Programming the Web.

## TECHNICAL EXPERIENCE

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### Projects

- **Corona Status (05/2020)**: A web app to show live data regarding infected, recovered, and died people due to Coronavirus for 182 countries with line chart and bar chart fetched from Johns Hopkins CSSE. React, Material UI, and Chart.js. Link: <https://coronastatus.now.sh>
- **Casting Agency (05/2020)**: An API for creating movies, and managing & assigning actors to those movies. Capstone Project for Udacity Full-Stack Dev. Nanodegree. Python, Flask, SQLAlchemy, PostgreSQL, Unittest. GitHub Repo: <https://github.com/thehimel/casting-agency-fsdn-capstone>
- **Trivia API (04/2020)**: REST API for playing a quiz game where users can create quizzes, delete quizzes and see them by category and difficulty rating. Python, Flask, SQLAlchemy, Unittest, PostgreSQL, Flask-Migrate. GitHub Repo: <https://github.com/thehimel/trivia-api/>
- **Home Automation and Security System with A.I. (05/2018)**: Final Year Project of B.E. with IoT and A.I. (Scored 96.5%). Hardware: Raspberry Pi, temperature, gas, PIR, distance, smoke, and fire sensors. Software: Python, HTML, CSS, JS, AJAX, Bootstrap, PERL, CGI. Abstract: <https://goo.gl/UeHzy9>
- **Spy Robot for Surveillance System using IP of RaspberryPi (04/2018)**: Control the robot through internet for synchronous surveillance. Hardware: RaspberryPi, DC motors, temperature, gas, PIR, distance, smoke, and fire sensors. Software: Python, HTML, CSS, JS, AJAX, Bootstrap, PERL, CGI. Abstract: <https://goo.gl/M7txXH>

## AWARDS AND ADDITIONAL EXPERIENCE

- **Second Runner-Up (25/04/18)**, Idea Presentation CSI Technical Symposium - AIT, Bengaluru (India).
- **Second Runner-Up, (18/09/14)**, Android App Dev. – Bengaluru Region, Robotryst'15 by IIT, Delhi (India).
- **Junior School Scholarship 2008**, Board of Intermediate and Secondary, Education, Comilla (Bangladesh).
- **Member (09/2014 – 08/2016)**, World Organization of Students and Youth (WOSY), Bengaluru (India).

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### Languages and Technologies

- Python, Flask, Java, JavaScript, PostgreSQL, MySQL, SQLAlchemy, Bootstrap, React, HTML, CSS, JQuery, AJAX.
- PyTest, Unittest, Flask-Migrate, Git, Visual Studio Code, PyCharm, IntelliJ IDEA, RaspberryPi, Windows, Linux.