

# Dipta Das

Road-10, Sector-10, Uttara  
Dhaka-1230, Bangladesh

Email: [dipta670@gmail.com](mailto:dipta670@gmail.com)

Phone: +880 1674451670

Website: [diptadas.com](http://diptadas.com)

Profile: [Linkedin](#), [Github](#)

## Education

---

**Chittagong University of Engineering and Technology** - Chittagong, Bangladesh

*Bachelor of Science in Computer Science and Engineering* - April 2017

CGPA: 3.59 out of 4.00

Merit Position: 10th

**Chittagong College** - Chittagong, Bangladesh

*Higher Secondary Certificate* - July 2011

GPA: 5.00 out of 5.00

**Saint Placid's High School** - Chittagong, Bangladesh

*Secondary School Certificate* - May 2009

GPA: 5.00 out of 5.00

## Test Scores

---

**Graduate Record Examinations (GRE)**

Score: 316 (Quant-165, Verbal-151, AWA-3.0)

**International English Language Testing System (IELTS)**

Band Score: 7.5 (Listening-8.0, Reading-8.5, Writing-7.0, Speaking-6.0)

## Professional Experience

---

**AppsCode Inc** - Dhaka, Bangladesh

*Software Engineer* - April 2017 to Present

Skills Developed: GoLang, Python/Bash Scripting, Kubernetes, Docker, HAProxy

Key Projects: [Voyager](#), [Stash](#), [KubeCI](#), [Pharmer](#)

Roles:

- [Kubernetes](#) cluster provisioning in Google Cloud, AWS, Azure, and DigitalOcean
- Research and Development of open-source microservices/FaaS for kubernetes clusters
- Continuous integration and maintenance (deployment, auto-scaling, load-balancing)

## Research Interests

---

Cloud Computing, Software Engineering, Cryptography, Machine Learning

## Relevant Coursework

---

Algorithm Design, Data Structure, Digital Logic Design, Numerical Analysis, Statistics and Queueing Theory, Operating System, Theory of Computing, Artificial Intelligence, Neural Networks, Computer Graphics, Information Security and Cryptography

## Research Experience

---

### Lattice-Based Cryptography

- Undergraduate thesis on “Improving Quality and Performance of the [BKZ Lattice Reduction Algorithm](#)” under [Dr. Mokammel Haque](#).
- Experiments on “Improving performance of [Recursive BKZ](#) using Dynamic Programming”.
- Experiments on “Improving reduction quality of [FPLLL](#) library using successive randomization”.
- Achieved a place on the Hall of Fame of [lattice-challenge](#) site (best dimension: 94).

## Computing Skills

---

- **Programming Languages:** C++, Golang, Java, Python
- **Numerical Analysis:** Matlab
- **Databases:** Oracle, MySQL, ElasticSearch
- **Operating Systems:** Linux, Windows

## Additional Courses

---

- Android Application Development course organized by the Ministry of ICT, Bangladesh.
- Advanced Java & J2EE course conducted by international trainers of Ernst & Young (EY).

## Activities and Achievements

---

- Divisional Champion of ACM ICPC Dhaka Regional 2014 and 2015.
- Runners-up of National App Development contest.
- Served as vice-president of CUET-COMPUTER-CLUB.
- Worked as a competitive programming trainer at East Delta University, Chittagong.
- Actively involved with competitive programming community of Bangladesh as a problem setter and moderator.
- Contributed to several popular open-source projects including [kubernetes](#), [Restic](#), [Azure SDK](#).