Akash Banerjee

Pursuing B.Tech. in Information Technology

PERSONAL DETAILS

Birth	January 10, 1997
Address	Pratap Bagan (north), Lane no 11, Bankura (722101)
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EDUCATION

**B.Tech. Indian Institute of Engineering Science
and Technology, Shibpur**   `2016-Present`
An Institute of National Importance
   Secured 8.81 absolute CGPA till 5th semester.

12th Bankura Zilla School   `2014-2016`
West Bengal Council of Higher Education
   Secured 93.8% marks in 12th standard.

10th Bankura Zilla School   `Passout-2014`
West Bengal Board of Secondary Education
   Secured 92% marks in 10th standard.

INTERNSHIPS

Winter Research Intern   `Dec'18-present`
Indian Statistical Institute, Kolkata
   Title : Relational inductive biases, deep learning, and graph networks
   Supervision : Under Dr. Malay Bhattacharyya, ISI, Kolkata
   About : Analyzing the neural networks to operate on graphs.

Summer Research Intern   `May'18-June'18`
Indian Institute of Engineering Science and Technology, Shibpur
   Title : Genetic Mutation and miRNA related to Cancer
   Supervision : Under Dr. Malay Bhattacharyya, ISI, Kolkata
   About : In this research work, we statistically analyzed how the miRNAs are related to
   Cancer causing mutations.

PROJECTS

Semester Mini Project   `Aug'18-Dec'18`
Scalable multi core computing architecture modeling & simulation

Supervision : Under Dr. Prasun Ghosal, IIEST, Shibpur
We have developed a Network-On-Chip simulator, Noxim. Our main objective was
to develop a simulator that can perform all types of functionalities in a single platform.

Personal Project `June'18-July'18`

Supervision : Under Dr. Santi P. Maity, IIEST, Shibpur
Gold Code generation using 255 bit PN Generator and Multi-User Detection

In this project we had designed a Gold Code Generator using two 255 bit PN Generator
and analyzed its properties.

Personal Project `Dec'17-present`

Supervision : Under Dr. Prasun Ghosal, IIEST, Shibpur
Online Compiler and data storage

I am working on a website from where anyone can take help for their coding, they can upload
their codes there, they can compile codes. If anyone wants to ask for help for particular
purpose they can post their problem statement there.

CERTIFICATIONS

PHP with MySQL ■

Aspirevision Tech, Microsoft

Cloud Computing ■

Electrocloud Labs of NIT Durgapur

SKILLS

Languages	Bengali (mother tongue) English
Programming Languages	C/C++, Python, PHP, Java, VHDL
Software	Matlab, Xilinx ISE, Bioinformatics, SystemC
Subjects	Compiler Designing, Computer Nteworks, Algorithms Operaing System, DBMS, Microprocessor Computer Architecture and Organisation , Graphics Automata Theory and Natural Languages Signals Systems and Circuits, Data Structures Discrete Mathematics, Communication Systems Digital Logic and Circuit Design

EXTRA CURRICULAR ACTIVITIES

1. Member of Society of Information Technology, IIEST, Shibpur
2. Swimming