Aranya Aryaman

Roll No.: 170101011
B.Tech: Computer Science and Engineering
Indian Institute Of Technology, Guwahati

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech.	Indian Institute of Technology, Guwahati	7.69 (Current)	2017-Present
Senior Secondary	CBSE Board	85.4%	2017
Secondary	CBSE Board	10.0	2015

EXPERIENCE

- **Qualcomm Inc.** *May 2020 - Aug. 2020*
  Interim Engineering Intern Hyderabad
  - Implemented Multi-Link Aggregation Feature in the WLAN Firmware for reducing the transmission latency.
  - Developed new Inter Thread Messaging procedures & resolved issues with existing procedures in the Firmware.

SELECTED PROJECTS

- **Smart Door** *Sep. 2019 - Nov. 2019*
  Prof. Shivshankar B. Nair, Professor, Dept. of CSE, IIT Guwahati *git.io/JUuhh*
  - Developed an **IoT based** Solution to automate the process of secure access to the internal premises.
  - **Key Features** include Voice Recognition, Intruder Alert, Radio Frequency Identification & Validation of guests through a One Time Password using MQTT.

- **PintOS** *July 2019 - Nov. 2019*
  Dr. Moumita Patra, Assistant Professor, Dept. of CSE, IIT Guwahati *git.io/JUujY*
  - Developed an **Operating System Framework** based on 80x86 Architecture.
  - **Key Features** include implementation of Kernel Threads, Loading & Running of User Programs and addition of a Virtual Memory Implementation to the existing OS Framework.

- **Placement Portal** *Mar. 2019 - Apr. 2019*
  Dr. Pradip Kumar Das, Professor, Dept. of CSE, IIT Guwahati *git.io/fj6ki*
  - Developed an **Android Application** providing a common ground for companies, students & placement cell to interact.
  - **Key Features** include applying for jobs, filling preferences, uploading CVs, sending notices, booking interview slots and sending foreground & pop-up notifications for real time updates.

- **Room Delivery System** *Apr. 2019*
  Dr. Samit Bhattacharya, Associate Professor, Dept. of CSE, IIT Guwahati *git.io/fj6TT*
  - Developed a **web-based** Inventory Management & Order-Delivery System using PHP & MySQL that helps the department faculties to order snacks online. Provisioned a scheduler operating on FCFS basis.

KEY COURSES TAKEN

- **Computer Science**: Data Structures, Algorithms, Operating Systems, Software Engineering, Compilers, Machine Learning, Artificial Intelligence*, Deep Learning*, Speech Processing*
- **Mathematics**: Discrete Mathematics, Probability & Random Processes, Optimization, Linear Algebra, Calculus.

* To be completed in Nov 2020

TECHNICAL SKILLS

- **Programming Languages**: C, C++, Python, Java, VB, Octave, Verilog*
- **Web Technologies**: HTML, CSS*, PHP, Django*, MySQL, Firebase
- **Miscellaneous**: Git, LaTeX, Shell, Machine Learning, Assembly Programming, Perforce, Android Programming.

* Elementary proficiency

ACHIEVEMENTS

- **AI IN INDIA '20** - Secured 2nd position in the Inter Hostel AI Hackathon Event.
- **Codescape '19** - Secured 2nd position in the Duo Coding Event of Annual Technical Fest of IIT Guwahati.
- **JEE Advanced '17** - Secured AIR 570 among 0.16 million students appeared.
- **Kishore Vaigyanik Protsahan Yojna '17** - Obtained the National Research Fellowship by securing AIR 176.
- **National Standard Examination in Physics '17** - Placed in the National Top 1% among 0.1 mn students.

POSITIONS OF RESPONSIBILITY

- **Development Head** Coding Club, IIT Guwahati *Apr 2019 - Apr 2020*
- **General Secretary** Siang Hostel, IIT Guwahati *Apr 2019 - May 2020*
- **Mentor** Saathi Counselling Club, IIT Guwahati *July 2019 - Mar 2020*

EXTRACURRICULARS

- **Kriti - Inter Hostel Technical Competition 2018**: Ultimate Burnout (2nd), Electronics Hackathon
- **Manthan - Inter Hostel Cultural Competition 2017**: Ad-mad(4th)