GOURAB SARKAR

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SUMMARY

I am an energetic & creative Software developer with focus on developing robust, scalable & maintainable code. Successfully enhanced Intel's internal build systems integrity and efficiency. Also contributed to code-efficiency & reliability of Intel's Bluetooth Firmware validation tool. An enthusiastic team player, quick learner and critical thinker, with strong debugging skills and a likeness for new & innovative challenges is in my opinion, what gives me an edge.

ACADEMICS

- **B.TECH. / B.E. | TECHNO INDIA – BATANAGAR**
  ELECTRONICS & COMMUNICATION ENGINEERING – 8.29 CGPA | AUG '15 – JUN '19
- **HIGHER SECONDARY | BALLYGUNGE GOVT. HIGH SCHOOL**
  WBCHSE (SCIENCE) – 71.2% | 2012 – 2014
- **SECONDARY | HARTLEY HIGHER SECONDARY SCHOOL**
  WBBSE – 86.14% | GRADUATED: 2012

EXPERIENCE

SOFTWARE DEVELOPMENT INTERN | INTEL CORPORATION
AUGUST 29TH, 2018 – JUNE 28TH, 2019

- Increased efficiency of Intel's Jenkins build systems with the development of an end to end automatic build verification system written in Perl, tuned to diverse configurations, with high maintainability & customizability. [***Received recognition for the same.***]
- Ensured tamper-proof integrity in builds with a Certification Reporter & Verifier system written in Perl for mission-critical files.
- Slashed Intel's Bluetooth Firmware validation tool bugs by reconfiguring several parts of the existing codebase and integrating new modules written in Python. [***Received recognition: "Product Quality Excellence - BTCORE".***]
- Increased efficiency of Intel's Bluetooth Firmware validation tool while implementing & validating usage scenarios of Bluetooth BR/EDR and LE functionalities with Python scripts.
- Reduced code complexity & length of code to be written in context of Intel's Bluetooth BR/EDR & LE Firmware validation tool by almost 55% with multiple APIs designed in Python.

SKILLS

- C and C++
- Python
- Perl
- Linux systems
- Data Structures & Algorithms
- DBMS

PROJECTS UNDERTAKEN

Name of Institute / Organization	*Project Title*
Self	*Sanctum Nine*: Technical Blog at sanctum9.wordpress.com
Self	*PassMaester*: Secure Password Generator & Manager with AES256-CBC encryption. Hosted online at: https://github.com/GourabIX/PassMaester
Self	*Logarithm calculator for arbitrary bases:* Built on C++14 for Windows, Linux & Unix. Hosted online at: https://github.com/GourabIX/log_base_n_calculator
Techno India – Batanagar	RFID Based Car Parking System with auto-finance facilities

TRAININGS

Name of Institute / Organization	*Title*
Lynda.com (LinkedIn Learning)	Perl 5 Essentials Course
Lynda.com (LinkedIn Learning)	Artificial Intelligence Foundations Course
Prasar Bharati, All India Radio (Kolkata)	Vocational Training
OAASA Technologies	Database Management System (DBMS) using Oracle
WebTek Labs	MATLAB

ACHIEVEMENTS

- Received Recognition: “Product Quality Excellence - BTCORE”, from Intel Corp.
- Received recognition for “End-to-End Automatic Build Verification System” from Intel Corp.
- Received Certificate of Diligence from Hartley Higher Secondary School.
- Ranked 2nd in Annual PowerPoint Presentation competition at Techno India – Batanagar.

Thank you for taking the time to read and consider this application. It is a summary of my journey and experience, so please do reach out if you have any queries.