GOURAB SARKAR

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SUMMARY

Energetic & creative Software developer with focus on developing robust, scalable & maintainable code. Enhanced Intel's internal build systems efficiency by 65%. Increased code-efficiency & reliability of Intel's Bluetooth Firmware validation tool by 50%. 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 – 8.21 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 – PRESENT

- Increased efficiency of Intel's Jenkins build systems by over 65% with the development of a scalable, end to end automatic build verification system written in Perl, tuned to diverse configurations, with high maintainability & customizability.
- Ensured tamper-proof integrity in 90%+ builds with a Certification Reporter & Verifier system written in Perl for mission-critical files.
- Slashed Intel's Bluetooth Firmware validation tool bugs by about 35% by reconfiguring several parts of the existing codebase and integrating new modules written in Python.
- Increased efficiency of Intel's Bluetooth Firmware validation tool by 60% 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 55% with multiple APIs designed in Python.

🛠 SKILLS

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

⋯ PROJECTS UNDERTAKEN

Name of Institute / Organization	Project Title	Duration
Self	Technical Blog at https://sanctum9.wordpress.com/	2 days in creation. Blog is updated periodically.
Self	Secure Password Generator & Manager with AES256-CBC encryption. Hosted at: https://github.com/GourabIX/auth_manager	3 days. In continuous development.
National Small Industries Corp. Technical Services Centre	Wi-Fi Digital Data Communication	18 days.
Techno India – Batanagar	RFID Based Car Parking System with auto-finance facilities	In progress.

⋯ 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" while working at Intel's Bluetooth Firmware Validation Team.
- Received recognition for successfully developing & integrating "Automatic end-to-end Build Verification System" while working at Intel's Bluetooth Core Products team.
- Received Certificate of Diligence from Hartley Higher Secondary School.
- Co-founded "Heritage Club" at Hartley Higher Secondary School.
- Ranked 2nd in 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.