

# GOURAB SARKAR

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## SUMMARY

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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

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- **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

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### SOFTWARE DEVELOPMENT INTERN | INTEL CORPORATION

AUGUST 29<sup>TH</sup>, 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 <a href="https://sanctum9.wordpress.com/">https://sanctum9.wordpress.com/</a>  | 2 days in creation. Blog is updated periodically. |
| Self  | Secure Password Generator & Manager with AES256-CBC encryption. Hosted at: <a href="https://github.com/GourabIX/auth_manager">https://github.com/GourabIX/auth_manager</a> | 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

- Secured several Merit awards & certificates for academic performance across semesters.
- Participated in Annual Science & Technology Fair – 2018 at Techno India – Batanagar.
- Received Certificate of Diligence.
- Co-founded “Heritage Club” at Hartley Higher Secondary School.
- Ranked 2<sup>nd</sup> 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.