Prakhar Srivastava

+1(631)428-7337 | prakharsrivastava299@gmail.com | linkedin.com/in/prakhar45srivastava | prakharsri45.github.io

Education

Stony Brook University — Stony Brook, NY
Master of Science, Computer Engineering - 3.54 *GPA* — *Jan 2021 - May 2022*
- Relevant Coursework: Computational Models, Embedded Systems, Modern Sensors in AI Apps, Image Processing, Principle of Programming Languages.

DIT University — Dehradun, India
Bachelor of Technology, Electrical Engineering — *July 2013 – May 2017*
- Relevant Coursework: Operating Systems, Engineering Mathematics, Wireless Communication.

Experience

Amazon LLC — Seattle, USA
Software Developer Engineer — *July 2022 – Present*
- Design, implement, test, deploy and maintain new software services and mobile software solutions.
- Work with team members to manage and participate in day-to-day development activities, such as design and code reviews.
- Acknowledge for detecting **AWS** software testing process bottleneck, decreasing by software testing time by 15%.
- Developed API endpoints to optimize the account verifications and integration tests using **Cypress**.
- Attention to quality and performance with a focus on building low-latency responsive apps using **Java, React and Typescript.**
- Understanding platform specific and cross-platform engineering best practices.
- Experience building large-scale high-speed server-side software.
- Work autonomously and respond efficiently to multiple priorities.

Solera Life Sciences Pvt Ltd. — Delhi, India
Software Developer Intern — *Oct 2020 – Jan 2021*
- Created scripts to automate the update of data files on company website, helps to debug the responsiveness and customized it as seen from a mobile phone with all the formatting of the pages using **Selenium, BeautifulSoup, Pandas** and **Numpy.**
- Designed and ran scripts and queries to retrieve data by developing views and managing client databases using **MySQL.**

Monteage Technologies Pvt Ltd. — Delhi, India
Electrical Engineer — *Jan 2018 – Sep 2020*
- Focused on clients structural real-time needs in the technology sector of Barcode, RFID, GPS, CCTV, LED Components and Smart Education System.
- Implemented the contouring method for cleaning and processing thermal images captured using FLIR camera in **Python.**

Hind Rectifiers Ltd. — Dehradun, India
Electrical Engineer — *July 2017 – Jan 2018*
- **Quality Control(QC)** engineer followed Six Sigma for secure and efficient computing-based technologies.
- Verified by writing a program and model the system in **MATLAB** which provided a platform to evaluate and enhance the stability, reliability, and integrity of real-time functioning of the system.

Skills

Languages: Python, C/C++, JAVA, React, HTML/CSS/JS, Kotlin, GraphQL, typescript, MATLAB, AutoCad, Labview
Databases/Frameworks: MySQL, MongoDB, Flask, AWS
ML Libraries: Pandas, NumPy, Matplotlib, Selenium, BeautifulSoup, Scikit-learn, OpenCV, PyTorch, Keras, TensorFlow
Tools/Operating Systems: PyCharm, Jupyter, Google Colab, IntelliJ, VS Code, Git, Linux, Windows
Transferable: Research, Problem Solving, Time Management, Database management, Teamwork and Collaboration

Projects

Comp-GAN Recommender System – *Python, TensorFlow* — *Jun 2021 - Aug 2021*
- Advised by Professor Alex Doboli - Research Project: Generative model used for adversarial minimax game and trained two models, generative and discriminative model, and estimated the probability for the recommendation system.

Automate Board Game – *Python, Matplotlib* — *Feb 2021 - May 2021*
- Program the playing of a board game, where board is an object and players are distributed processes, written in **DistAlgo.**

Pandemic Trajectory – *Python, Openpyxl, Xlsxwriter, Json* — *Jun 2020 - Aug 2020*
- Built a script to extract data from **json** file from a government website to showcase data of COVID-19 current scenario in a file with graphs, diagram and trajectories to visually analyse daily cases with physical recordings.

Internet Of Things Controller – *Arduino IDE, C++* — *Jan 2017 - May 2017*
- Built a prototype to control the hybrid energy system using ESP8266 wifi-module and programmed in **C++.**
- Internet Of Thing helps to switch the power supply between wind energy and solar energy of a house through secure website when the grid supply is off. Google Scholar