

Prakhar Srivastava

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Education

Stony Brook University

Master of Science, Computer Engineering - 3.54 GPA

- Relevant Coursework: Computational Models, Embedded Systems, Modern Sensors in AI Apps, Image Processing, Principle of Programming Languages.

Stony Brook, NY

Jan 2021 - May 2022

DIT University

Bachelor of Technology, Electrical Engineering

- Relevant Coursework: Operating Systems, Engineering Mathematics, Wireless Communication.

Dehradun, India

July 2013 - May 2017

Experience

Amazon LLC

Software Developer Engineer

- 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.

Seattle, USA

July 2022 - Present

Solera Life Sciences Pvt Ltd.

Software Developer Intern

- 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**.

Delhi, India

Oct 2020 - Jan 2021

Monteage Technologies Pvt Ltd.

Electrical Engineer

- 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**.

Delhi, India

Jan 2018 - Sep 2020

Hind Rectifiers Ltd.

Electrical Engineer

- Quality Control(QC)** engineer followed Six Sigma for secure and efficient computing-based technologies using.
- 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.

Dehradun, India

July 2017 - Jan 2018

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](#)