GARIMA SINGH

garimasingh.me

📞 +91-8218152661 ✉ garima.cs18@nitp.ac.in 🔗 linkedin.com/in/garimasinghnitp

Education

National Institute of Technology, Patna	B.Tech in Computer Science and Engineering	2018-2022	8.92 CGPA
B.B.L. Public School, Bareilly	Class 12th (C.B.S.E.)	2018	94.8%
Hartmann College, Bareilly	Class 10th (I.C.S.E.)	2016	95.4%

Experience

Nasdaq Inc.   **June 2021 – July 2021**
Software Development Engineer Intern   *Bangalore, India — <u>Link</u>*

- Worked in the Web Properties Team to develop a POC for **Global Web-Push Notification Services system that serves 30 million users** visiting nasdaq.com homepage monthly, across desktop and mobile browsers. Targeted to boost site engagement up to **88% with an estimated Revenue potential of 500k USD CPM.**
- Designed the architecture in an agile methodology and primarily worked on frontend operations, cookie-syncing, implementing Web Push library and protocols for Node.js in Google Chrome, stream-processing using Kafka, API creation in Go and finally, connecting all the modules together to build an end to end service.
- Developed end to end user stories, benchmarked various databases for performance, special focus during the implementation for resilience and logging in the backend.
- **Tech Stack:** Apache Kafka, Golang, MySQL, Docker, Javascript, Jira, Git

Dataly Pvt Ltd.   **June 2020 - October 2020**
Software Development Engineer Intern   *Chennai, India — <u>Link</u>*

- LoadAB is a patented client project for a real-time website for inventory-management system including stock materials.
- Developed **front-end components according to the User interface guidelines and integrated Mapbox API to backend**. Conducted code reviews, participated in distributed development in a team of 15 developers.
- **End-to-end product development and deployment to support 1000+ traffic/day**.
- **Tech Stack:** React, Elastic Search, Node.js, Firebase, VCS, Heroku, Docker

Projects

Respiratory Sound Classification | *Python, sklearn, Tensorflow, VCS, Keras* | <u>Link</u>

- Worked in a team of 3 under Prof. Akshay Deepak and built classification models on **ICBHI'17 medical dataset** to identify breathing sound anomalies. Emphasis on normalization and cross-validation for patient independent model.
- Proposed a **deep LSTM + CNN + Self Attention model for the 4-class problem with an accuracy score of 57.02%** (gain of +7.44% than the base paper).

Git Set Go - Personal Project | *React, HTML CSS, Bootstrap, Netlify* | <u>Link</u>

- An user interactive website web application that leverages **Github's GraphQL and REST APIs' to generate a personalised resume based on Github profile** and download it locally.
- 60+ stars, 70+ forks on Github : <u>Git Set Go</u>

Equus - Android | *Native Java, XML, Fragments, Firebase, Adobe XD, Git, Google Ads* | <u>Link</u>

- An **Android assignment-sharing application to share documents**. Facebook-like Feed feature for latest uploads.
- Worked in a team of 6 as a Front-end Developer and got recognition from H.O.D, CSE Dept NIT Patna as a first-year project. 200+ downloads on Google Play Store.

Achievements

- **vGHC 2021 Association for Computing Machinery SRC Poster Competition 2021**: Selected to present poster titled "Exploring State-of-The-Art Deep Neural Networks for Respiratory Sound Classification" at the conference which showcases original research from undergraduate and graduate students.
- **Myntra HackerRamp Pre-Finalist 2021 WeForShe**: Built a fashion chatbot and android application that leverages a machine learning model to suggest items according to trends on social media using NLP Techniques.
- **Rank 1 in SheCode 2020, IEEE** Women in Engineering, CET Trivandrum
- Ranked 75/1500 in Open-source contributions at Girlscript Summer of Code, 2020
- Rank 3 in Algo Z Ripper Team Coding contest in Techno-Cultural Fest, NITP 2019

Open Source Contributions

- **Navigator and Mentor at OpenMined (2020-2021)**: Maintained a centralized record of the progress of 30+ mentees. Guiding the community with resources & helping them to navigate in the OpenMined Organisation.
- **OS Mentor, Open Source Hack 2020, AnitaB Org**: Onboarded 100+ participants from 12+ countries into active participation into the Mentorship-Android project.
- **Mentored 500+ participants into Open Source and administered 4 projects** under programs like Kharagpur Winter of Code 2020 IIT KGP, NJACK Winter of Code 2020 IIT Patna, Girlscript Foundation, Script WoC.

Positions of Responsibility

- **Founding Board Member and Project Head at HackSlash Mozilla Dev Club (2019-2021)**: Directly maintained stats of 20+ live projects on GitHub and conducted 36+ hours long sessions on Web Development.
- **Innovations Lead at Google Developer Student Club, NIT Patna (2020-2021)** : Promoting development by guiding 200+ students by hosting live sessions. Suggested innovative ideas for annual projects showcase.
- **Senior Teaching Member at Sankalp Foundation, NSS unit of NIT Patna (2018-19)**: Taught Maths and Science to 100+ underprivileged students(12 years old and less) for 40+ hours.

Scholarships

- **Virtual Grace Hopper Celebration 2021:** Student Scholarship Recipient by AnitaB Org winning a free ticket to world's largest gathering of women technologists and Open Source Day Mentor, CircuitVerse Organisation.
- **Nutanix heart Advancing Women in Technology Scholarship Recipient 2020-2021:** One of the 11 scholars from across the world to receive monetory support of $2000 towards advancing women in technology field.
- **Twitter #DevelopHer, India 2020:** (30 scholars/1000+ applications) and won the #ReadySetCode challenge. Program included personal mentoring by experienced industry insiders on industry skills.
- **CST UP Science Talent Scholarship 2016-17 by Uttar Pradesh Govt of India:** Awarded financial assistance of INR 50,000 and technical equipment support.

Profile Links

Blog:// **garycodes**
Github:// **garimasingh128**
Geeks For Geeks:// **garingh128**
Leetcode:// **garysingh128**
Medium:// **garingh128**
Codechef:// **garimasingh128**

Technical and Non-Technical Skills

Programming Languages: C, C++, Java, HTML/CSS, JavaScript, SQL, Golang(Basic)
Frameworks: ReactJS, ME(A/R)N
Machine Learning Libraries: TensorFlow, Keras, OpenCV, NLP
Softwares: Jira, Shell, Cloud, CI/CD, VCS, Firebase
Non-Technical: Collaboration, Mentorship, Teamwork