# Anurag Mishra

Portfolio: xprilion.com
Github: github.com/anurag899

Email: anurag.mishra899n@gmail.com
Mobile: +91-9456243057

## SKILLS SUMMARY

- **Languages**: Python, PHP, C++, JavaScript, SQL, Bash, JAVA
- **Frameworks**: Scikit, NLTK, SpaCy, TensorFlow, Keras, Django, Flask, NodeJS, LAMP
- **Tools**: Kubernetes, Docker, GIT, PostgreSQL, MySQL, SQLite
- **Platforms**: Linux, Web, Windows, Arduino, Raspberry, AWS, GCP, Alibaba Cloud, IBM Cloud
- **Soft Skills**: Leadership, Event Management, Writing, Public Speaking, Time Management

## EXPERIENCE

- **Google Summer of Code - Submitty** — Remote
  *Student Developer (Full-time)* — *May 2019 - Sep 2019*
  - **Discussion Forum Upgrades**: Refactor forum for performance to handle large databases.
  - **REST API for Discussion Forum**: Symphony & Twig based Forum parts converted to API-first interface.
  - **Ratchet PHP WebSocket**: Implemented a WebSocket for low-latency real time exchange of posts and thread updates.
- **DataCamp Inc.** — Remote
  *Instructor (Part-time, Contractual)* — *Dec 2018 - Present*
  - **Project Course - Find Movie Similarity from Plot Summaries**: Created project-based course using Unsupervised learning and natural language processing.
  - **Tutorial - Introduction to Reinforcement Learning**: Created tutorial for Q-learning RL algorithm and concepts.
  - **Impact**: Course has been taken by 250+ students so far with 4.65 average rating.

## PROJECTS

- **Vision - Multimedia Search Engine**: Research-oriented, open-source search engine for reverse multimedia search for small & mid-scale enterprises. Tech: Python, NodeJS, Intel OpenVino Toolkit, Selenium, TensorFlow (Oct '18)

- **Reinforcement Learning based Traffic Control System**: AI model to resolve city traffic around 50% faster. Tech: Python, Alibaba Cloud, Raspberry Pi, Arduino, SUMO & OpenCV (Aug '18)

- **Panorama from Satellite Imagery using Distributed Computing**: Images provided by ISRO were stitched using distributed public compute nodes, reducing processing time exponentially. Tech: PHP, C++, Java, Python (Mar '18)

- **Drag-n-drop machine learning environment**: Scratch-like tool for implementing machine learning pipelines with built-in tutorials. Tech: Python, JavaScript (Sep '18)

- **Search Engine and Social Network**: Created a social network and search engine integrating Facebook and Google. Reached top 1000 websites in India during 2012-2013. Tech: PHP, MySQL, HTML, CSS, WebSockets, JavaScript, RSS, XML (May '12)

## EDUCATION

- **National Institute of Technology, Manipur** — India
  *Bachelor of Technology - Information Technology; GPA: 8.5* — *July 2014 - June 2018*
  ***Courses:*** *Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases*

## Honors and Awards

- Awarded title of Intel Software Innovator - May, 2019

- Second Runner-up at TCS EngiNx Engineering Project Innovation Content - Sep, 2018

- Runner-up at Facebook Developers Circle Hackathon - Aug, 2017

## Volunteer Experience

- **Community Lead at Developer Student Clubs NSEC**   Kolkata, India
  *Conducted technical & soft-skills training impacting over 3000 students.*   *Jan 2019 - Present*

- **Event Organizer at Google Developers Group Kolkata**   Kolkata, India
  *Organized events, workshops, reaching over 7000 people.*   *Nov 2017 - Present*