

# Rahul D. Ghosal

[LinkedIn](#) | [GitHub](#) | [Portfolio](#) | [E-Mail](#)

## SUMMARY

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- Software engineer proficient in Python and JavaScript with experience in CLI and full stack web application development.
- Administrative experience includes management of cloud-based platforms, on-premise FTP servers, and Docker containers.
- Professional development involves .NET, while personal projects use frameworks such as Flask, React.js, and Bootstrap.
- Certified in computer science fundamentals and GIS, with master's education in the natural and social sciences of ecological sustainability.
- Highly self-motivated, adaptive, and precise about details.

## EXPERIENCE

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### **Ultimate Technologies Inc. (Nagano, Japan)**

*Apr 2019 – Dec 2019*

Systems Engineer (Full-time)

- Using Python and .NET to develop CLI tools for robotic process automation (RPA).
- Using JavaScript ES6 and Bootstrap for front-end customization of Kintone, a cloud-based data management platform.
- Administering the company's Kintone domain, on-premise FTP servers, and Docker containers.
- Proposing and documenting enterprise solutions based on open-source software and third-party APIs, achieving reductions of approximately \$1000 in licensing costs.
- Co-founding an IT team and mentoring members in Python 3 and process automation.
- Managing the homepage redesign and providing an [English translation](#) thereof.

## EDUCATION

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### **Masters in Global Environmental Studies, Kyoto University**

*Apr 2017 – Mar 2019*

Concentration: Ecological Economics | GPA: 3.861

### **Bachelor of Environmental Science, Rutgers University**

*Sept 2011 – May 2015*

Minors: Japanese, Philosophy | GPA: 3.813, *Magna cum laude*

## CERTIFICATIONS

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### **Algorithmic Design and Techniques, UC San Diego via edX**

*Ongoing*

Curriculum: Asymptotic runtime complexity, searching and sorting algorithms, implementation of dynamic programming and greedy algorithms

[CS50's Introduction to Computer Science](#), Harvard University via edX

*Nov 2019*

Curriculum: Linux; memory management, recursion, and data structures (C); TCP/IP and HTTP; front-end web development (HTML, CSS, JavaScript, jQuery, React); back-end web development (Flask); relational databases (SQL)

[GIS Specialization](#), UC Davis via Coursera

*Mar 2017*

Curriculum: Fundamentals of GIS; GIS Data Formats and Quality; Geospatial and Environmental Analysis; Imagery, Automation, and Application; Geospatial Analysis Capstone Project

## SOFT SKILLS

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English (native), Japanese (business level), leadership, project management, public speaking, technical writing, research