

# Rahul D. Ghosal

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## SUMMARY

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Highly motivated software engineer with professional experience in application development using Python and JavaScript as well as personal full stack projects implementing Flask and React. Thrives in fast-paced environments, having independently managed projects through SDLC under time constraints. Versatile, with detail-oriented ability to learn new technologies. Aiming to obtain expertise in Agile development using modern technology stack through an entry-level position.

## RELEVANT EXPERIENCE

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

*Apr 2019 – Dec 2019*

Application Developer (Full-time)

- Used Python and MS Office API to independently develop, test, and distribute CLI tools for robotic process automation (RPA) in company's printed circuit board design and simulation services.
- Used JavaScript ES6 to integrated REST API provided by Kintone, a cloud-based PaaS, and styling outputs using Bootstrap and vanilla CSS.
- Administrated company's Kintone domain, on-premise FTP servers, and Docker images.
- Proposed solutions based on open-source software and third-party APIs, achieving savings of approximately \$1000.
- Co-founded IT team and mentoring members on Python 3 and process automation.

## COURSEWORK & CERTIFICATIONS

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

*Ongoing*

Curriculum: Asymptotic runtime complexity, search/sort, dynamic programming, and greedy algorithms.

### Intro to Computer Science and Programming in Python, MIT via OpenCourseWare

*Oct 2019 – Nov 2019*

Curriculum: Dynamic data structures, search/sort algorithms, object-oriented programming.

### CS50's Introduction to Computer Science, Harvard University via edX

*Apr 2019 – Nov 2019*

Curriculum: Memory allocation, HTTP, TCP/IP, full stack web development, RDB scalability, SQL injection attacks.

## SKILLS

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### Technical

*Proficient in* Python, JavaScript, OOP, regex, CSS, HTML, Flask, React, Bootstrap, Selenium, Pytest, UNIX, Git, GIS, MS Office  
*Familiar with* C, SQLite, PostgreSQL, Docker, .NET, C#, WPF, PowerShell, MS-DOS, Bash

### Soft

English (native), Japanese (fluent), Chinese (lower intermediate), Spanish (lower intermediate), Bengali (conversational), leadership, project management, public speaking, technical writing, research/analytical ability

## 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*